

GenCore version 5.1.7
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OM protein - protein search, using sw model

Run on: February 15, 2006, 09:26:44 ; Search time 244.467 Seconds
(without alignments)
329.865 Million cell updates/sec

Title: US-10-030-937-9

Perfect score: 1018

Sequence: 1 MQSLMQAPLLIALGILLATP.....LSSSGKRLGCKIAASLKGI 193

Scoring table:

BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications AA_Main.*

1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*

2: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep.*

3: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep.*

4: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep.*

5: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep.*

6: /cgn2_6/ptodata/1/pubpaa/US11_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description |
|------------|-------|-------------|--------|----|----------------------|
| 1 | 1005 | 98.7 | 193 | 4 | US-10-170-385-389 |
| 2 | 1000 | 98.2 | 193 | 5 | US-10-723-860-329 |
| 3 | 1000 | 98.2 | 193 | 5 | US-10-450-763-31079 |
| 4 | 419 | 41.2 | 76 | 5 | US-10-450-763-31076 |
| 5 | 412 | 40.5 | 191 | 4 | US-10-264-049-2611 |
| 6 | 353 | 34.7 | 61 | 3 | US-09-864-761-34809 |
| 7 | 162.5 | 16.0 | 126 | 3 | US-09-764-891-4977 |
| 8 | 116 | 11.4 | 131 | 5 | US-10-450-763-31078 |
| 9 | 98.5 | 9.7 | 273 | 4 | US-10-425-115-297138 |
| 10 | 91.5 | 9.0 | 641 | 4 | US-10-369-493-20746 |
| 11 | 90 | 8.8 | 651 | 4 | US-10-369-493-20109 |
| 12 | 88 | 8.6 | 796 | 4 | US-10-437-963-187458 |
| 13 | 86.5 | 8.5 | 196 | 4 | US-10-425-115-251307 |
| 14 | 86.5 | 8.5 | 574 | 4 | US-10-725-013-2 |
| 15 | 86.5 | 8.5 | 768 | 3 | US-09-973-451-8 |
| 16 | 86.5 | 8.5 | 768 | 6 | US-11-058-995-8 |
| 17 | 86.5 | 8.5 | 768 | 6 | US-11-097-143-5265 |
| 18 | 86 | 8.4 | 143 | 3 | US-09-860-793-3 |
| 19 | 86 | 8.4 | 474 | 4 | US-10-369-493-19074 |
| 20 | 86 | 8.4 | 575 | 4 | US-10-094-886-196 |
| 21 | 86 | 8.4 | 611 | 4 | US-10-369-493-7417 |
| 22 | 86 | 8.4 | 633 | 4 | US-10-369-493-4658 |
| 23 | 86 | 8.4 | 2293 | 4 | US-10-032-438B-2 |
| 24 | 85.5 | 8.4 | 199 | 5 | US-10-450-763-47817 |
| 25 | 84 | 8.3 | 490 | 4 | US-10-437-963-180789 |
| 26 | 83.5 | 8.2 | 132 | 4 | US-10-424-599-255741 |
| 27 | 83 | 8.2 | 688 | 4 | US-10-282-122A-47772 |

Sequence 220322,
Sequence 220323,
Sequence 63175, A
Sequence 62424, A
Sequence 53454, A
Sequence 72059, A
Sequence 58493, A
Sequence 38, Appli
Sequence 4, Appli
Sequence 36, Appli
Sequence 14, Appli
Sequence 26, Appli
Sequence 12, Appli
Sequence 24, Appli
Sequence 2, Appli
Sequence 3, Appli
Sequence 2, Appli

ALIGNMENTS

RESULT 1

US-10-170-385-389

; Sequence 389, Application US/10170385

; Publication No. US20030203372A1

; GENERAL INFORMATION:

; APPLICANT: Ward, Neil Raymond

; APPLICANT: Mundy, Christopher Robert

; APPLICANT: Kan, On

; APPLICANT: Harris, Robert Alan

; APPLICANT: White, Jonathan

; APPLICANT: Binley, Katie Mary

; APPLICANT: Rayner, William Nigel

; APPLICANT: Naylor, Stuart

; APPLICANT: Kingsman, Susan Mary

; APPLICANT: Krige, David

; TITLE OF INVENTION: ANALYSIS METHOD

; FILE REFERENCE: 53268200100

; CURRENT APPLICATION NUMBER: US/10/170.385

; CURRENT FILING DATE: 2002-06-12

; PRIOR APPLICATION NUMBER: PCT/GB02/01662

; PRIOR FILING DATE: 2002-04-08

; PRIOR APPLICATION NUMBER: PCT/GB01/05458

; PRIOR FILING DATE: 2001-12-10

; NUMBER OF SEQ ID NOS: 549

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 389

; LENGTH: 193

; TYPE: PRT

; ORGANISM: Homo Sapiens

US-10-170-385-389

Query Match 98.7%; Score 1005; DB 4; Length 193;

Best Local Similarity 99.0%; Pred. No. 9.4e-97;

Matches 191; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 MQSLMQAPLLIALGILLATPQAHLKKPSQSSFSWNCDEGKDPVAVIRSLTLEPDPVW 60
Db 1 MQSLMQAPLLIALGILLATPQAHLKKPSQSSFSWNCDEGKDPVAVIRSLTLEPDPVW 60
Qy 61 PGNVTLVSVGSTSVPLSSPLKVDLVLEKEVAGLWIKIPCTDIYIGSCFPEHFCVDLMLIP 120
Db 61 PGNVTLVSVGSTSVPLSSPLKVDLVLEKEVAGLWIKIPCTDIYIGSCFPEHFCVDLMLIP 120
Qy 121 TGEPCPEPLRTYGLPCHCPKFGYSLPKSEFAVPDLELPSWLTGTGNRISSVSSSKR 180
Db 121 TGEPCPEPLRTYGLPCHCPKFGYSLPKSEFAVPDLELPSWLTGTGNRISSVSSSKR 180
Qy 181 LGCIKIAASLKGI 193
Db 181 LGCIKIAASLKGI 193

```
RESULT 2
US-10-723-860-529
; Sequence 529, Application US/10723860
; Publication No. US2004023606A1
; GENERAL INFORMATION:
; APPLICANT: Aziz, Natasha
; APPLICANT: Ginsburg, Wendy M.
; APPLICANT: Glotnik, Albert
; TITLE OF INVENTION: Methods of Diagnosis of Soft Tissue Sarcoma, Compositions &
; TITLE OF INVENTION: Methods for Screening for Soft Tissue Sarcoma Modulators
; FILE REFERENCE: 05882.0193.NPUS01
; CURRENT APPLICATION NUMBER: US/10/723,860
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: 60/429,739
; PRIOR FILING DATE: 2002-11-26
; NUMBER OF SEQ ID NOS: 8393
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 529
; LENGTH: 193
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-723-860-529

Query Match      98.2%; Score 1000; DB 5; Length 193;
Best Local Similarity 98.4%; Pred. No. 3.1e-96;
Matches 190; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy      1  MQSLMQAPLLIALGLLLATPAQAHLKPKSQLSSFSWDCNCFEGKDPVAVIRSLTLEPDPIVV 60
Db      1  MQSLMQAPLLIALGLLLAAPAQAHLKPKSQLSSFSWDCNCFEGKDPVAVIRSLTLEPDPIVV 60

Qy      61  PGNVTLVVGSTSVPLSSPLKVDLVLEKEVAGLWIKIPCTDYIGSCTFEHFCVDVLDMLIP 120
Db      61  PGNVTLVVGSTSVPLSSPLKVDLVLEKEVAGLWIKIPCTDYIGSCTFEHFCVDVLDMLIP 120

Qy      121  TGPCCPEPLRTYGLPCHCPKPGTYSLPKSEFAVPDLELPSWLTGTGNYRIESVLSSSGKR 180
Db      121  TGPCCPEPLRTYGLPCHCPKPGTYSLPKSEFAVPDLELPSWLTGTGNYRIESVLSSSGKR 180

Qy      181  LGCIIKIAASLKGI 193
Db      181  LGCIIKIAASLKGI 193

RESULT 3
US-10-450-763-31079
; Sequence 31079, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 31079
; LENGTH: 193
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-450-763-31079

Query Match      98.2%; Score 1000; DB 5; Length 193;
Best Local Similarity 98.4%; Pred. No. 3.1e-96;
Matches 190; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy      1  MQSLMQAPLLIALGLLLATPAQAHLKPKSQLSSFSWDCNCFEGKDPVAVIRSLTLEPDPIVV 60
Db      1  MQSLMQAPLLIALGLLLAAPAQAHLKPKSQLSSFSWDCNCFEGKDPVAVIRSLTLEPDPIVV 60

Qy      61  PGNVTLVVGSTSVPLSSPLKVDLVLEKEVAGLWIKIPCTDYIGSCTFEHFCVDVLDMLIP 120
Db      61  PGNVTLVVGSTSVPLSSPLKVDLVLEKEVAGLWIKIPCTDYIGSCTFEHFCVDVLDMLIP 120

Qy      121  TGPCCPEPLRTYGLPCHCPKPGTYSLPKSEFAVPDLELPSWLTGTGNYRIESVLSSSGKR 180
Db      121  TGPCCPEPLRTYGLPCHCPKPGTYSLPKSEFAVPDLELPSWLTGTGNYRIESVLSSSGKR 180

Qy      181  LGCIIKIAASLKGI 193
Db      181  LGCIIKIAASLKGI 193

RESULT 4
US-10-450-763-31076
; Sequence 31076, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 31076
; LENGTH: 76
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(76)
; OTHER INFORMATION: Xaa = X or * as defined in Table 2
US-10-450-763-31076

Query Match      41.2%; Score 419; DB 5; Length 76;
Best Local Similarity 100.0%; Pred. No. 6.8e-36;
Matches 75; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      68  VVGSTSVPLSSPLKVDLVLEKEVAGLWIKIPCTDYIGSCTFEHFCVDVLDMLIPTGEPCE 127
Db      2  VVGSTSVPLSSPLKVDLVLEKEVAGLWIKIPCTDYIGSCTFEHFCVDVLDMLIPTGEPCE 61

Qy      128  PLRTYGLPCHCPKKE 142
Db      62  PLRTYGLPCHCPKKE 76

RESULT 5
US-10-264-049-2611
; Sequence 2611, Application US/10264049
; Publication No. US20040005579A1
; GENERAL INFORMATION:
; APPLICANT: Birse et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PAI33P1
; CURRENT APPLICATION NUMBER: US/10/264,049
; CURRENT FILING DATE: 2002-10-04
; PRIOR APPLICATION NUMBER: PCT/US01/18569
; PRIOR FILING DATE: 2001-06-07
; PRIOR APPLICATION NUMBER: US 60/209,467
; PRIOR FILING DATE: 2000-06-07
```

NUMBER OF SEQ ID NOS: 4360
SOFTWARE: PatentIn Ver. 3.1
SEQ ID NO 2611
LENGTH: 191
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: MISC_FEATURE
LOCATION: (141)
OTHER INFORMATION: Xaa equals any of the twenty naturally occurring L-amino acids
FEATURE:
NAME/KEY: MISC_FEATURE
LOCATION: (142)
OTHER INFORMATION: Xaa equals any of the twenty naturally occurring L-amino acids
FEATURE:
NAME/KEY: MISC_FEATURE
LOCATION: (184)
OTHER INFORMATION: Xaa equals any of the twenty naturally occurring L-amino acids
FEATURE:
NAME/KEY: MISC_FEATURE
LOCATION: (187)
OTHER INFORMATION: Xaa equals any of the twenty naturally occurring L-amino acids
US-10-264-049-2611

Query Match 40.5%; Score 412; DB 4; Length 191;
Best Local Similarity 48.4%; Pred. No. 1.2e-34;
Matches 78; Conservative 24; Mismatches 51; Indels 8; Gaps 2;
QY 13 LGLLLA-----TPQAHLKKPSQLSSFSWNCPEGKDPVIRSLTLEPDPVVPNGVT 65
Db 24 LGLLLAGPAHAHVPAHVPNPQVIFFWENCHERKDPVLLKSWTLEPDPVVPNGVT 83
QY 66 LSVGSTSVLSPKLVLDLVLKEVAGLWIKIPCTDYIGSCTFHFCDVLDMLIPTGPCC 125
Db 84 ISAEQLVRVPLSSPKVELLIEKKVANFWIKVPCMSHV-RCIFEDICQLDPLPPGQXX 142
QY 126 PEPLTYGLPCHCPKCEGTYSYLPKSEFAPVDPLEPSWLTG 166
Db 143 PEPLTYGLPCTVPSSRHLNNAQLKLPCEPNTDLPLITS 183

RESULT 6
US-09-864-761-34809
Sequence 34809, Application US/09864761
Patent No. US20020048763A1
GENERAL INFORMATION:
APPLICANT: Rank, Sharon G.
APPLICANT: Hanzel, David K.
APPLICANT: Chen, Wensheng
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
FILE REFERENCE: Aecomica-X-1
CURRENT APPLICATION NUMBER: US/09/864,761
CURRENT FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: US 60/180,312
PRIOR FILING DATE: 2000-02-04
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 09/632,366
PRIOR FILING DATE: 2000-08-03
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00662
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00661
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00670
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: US 60/234,687
PRIOR FILING DATE: 2000-09-21
PRIOR APPLICATION NUMBER: US 09/608,408
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: US 09/774,203
PRIOR FILING DATE: 2001-01-29
NUMBER OF SEQ ID NOS: 49117
SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
SEQ ID NO 34809
LENGTH: 61
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: MAP TO AC011342.1
OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 11
OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 2.3
OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.5
OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.9
OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.9
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.5
OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 2.2
OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.7
OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 1.9
OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.99
OTHER INFORMATION: EST HUMAN HIT: BE182886.1, EVALUATE 9.00e-34
OTHER INFORMATION: SWISSPROT HIT: P17900, EVALUATE 1.00e-34
US-09-864-761-34809

Query Match 34.7%; Score 353; DB 3; Length 61;
Best Local Similarity 100.0%; Pred. No. 4.2e-29;
Matches 61; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 82 VDLVLEKEVAGLWIKIPCTDYIGSCTFHFCDVLDMLIPTGPCEPLRTYGLPCHCPK 141
Db 1 VDLVLEKEVAGLWIKIPCTDYIGSCTFHFCDVLDMLIPTGPCEPLRTYGLPCHCPK 60
QY 142 E 142
Db 61 E 61

RESULT 7
US-09-764-891-4977
Sequence 4977, Application US/09764891
Publication No. US20030077808A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
FILE REFERENCE: PC006
CURRENT APPLICATION NUMBER: US/09/764,891
CURRENT FILING DATE: 2001-01-17
Prior application data removed - consult PALM or file wrapper
NUMBER OF SEQ ID NOS: 10231
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 4977
LENGTH: 126
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: SITE
LOCATION: (119)

; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (122)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (123)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-764-891-4977

Query Match 16.0%; Score 162.5; DB 3; Length 126;
Best Local Similarity 54.2%; Pred. No. 9.9e-09;
Matches 32; Conservative 7; Mismatches 13; Indels 7; Gaps 1;
Qy 13 LGLLLA-----TPAAHLKKPQSLQSFSDNCFEGKDPVIRSLTLEPDPVIVPGNV 64
Db 24 LGLLLGPAHAHVAHPVNPFPQVISFFWENCHERKDPVLLKSMTLEPDPVIAIPGNV 82

RESULT 8

US-10-450-763-31078
; Sequence 31078, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCI/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 31078
; LENGTH: 131
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-450-763-31078

Query Match 11.4%; Score 116; DB 5; Length 131;
Best Local Similarity 32.7%; Pred. No. 0.00077;
Matches 36; Conservative 10; Mismatches 28; Indels 36; Gaps 5;

Qy 43 KDPVIRSLTLEPDPVIVPGNVTLSSVVGSTSVPLSSPLKVDLVEKEVAGLWIKIPCTDY 102
Db 2 RDKGSQERLQDPGQKLV---VSMDKAGGFS-----LEKEVAGLWIKIPCTDT 46

Qy 103 IGSCTFEHFCVDLMLIPTGCPCEPLRTYG-LP-----CHCPKE 142

Db 47 LAA-----VPLNTSVMLTCTSYWGALPRAPAYLWASCHCPKE 85

RESULT 9

US-10-425-115-297138
; Sequence 297138, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 297138
; LENGTH: 273
; TYPE: PRT

; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_34069C.1.pep
US-10-425-115-297138

Query Match 9.7%; Score 98.5; DB 4; Length 273;
Best Local Similarity 26.7%; Pred. No. 0.14;
Matches 59; Conservative 24; Mismatches 73; Indels 65; Gaps 14;

Qy 3 SLMQAPL---LIALGULLLATPAQAHLKK-----PSOLSSFSWDNCFEGKDPVIV---RS 50
Db 70 ALLPAALPASLFPAAASILYSPLOAVLPRCGISLCPAELAPA--PSCSSRPPAPLLAWSS 127
Qy 51 LTLPEPDPVIVPGNVTLSSVVGSTSVPLSSPLKV-----DLVLEKEVAGLW----- 94
Db 128 SFLVPVPCVFP--VTSMAAPSL-PLSSPLRVPLVSSLRARSFLCVPAATSLMCLPLA 184
Qy 95 -IKIPCTDYIGSCTFEHFCVDLMLIPTGCPCEPLRTYGLPCH-----CPKKGTY 145
Db 185 RAKPPCSLALGPC-----STVPCCFSARV-KFPCRVCLGRKPVCPRR--AC 227
Qy 146 SLPKSEFAVDPDLPLPSWLTGTNYRIESVLSSG--KRLGCI 184
Db 228 CSPKR----PMLQRPYFSMFHVGIVSVSSSGINKOTGAV 264

RESULT 10

US-10-369-493-20746
; Sequence 20746, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 20746
; LENGTH: 641
; TYPE: PRT
; ORGANISM: Rhodospseudomonas palustris
US-10-369-493-20746

Query Match 9.0%; Score 91.5; DB 4; Length 641;
Best Local Similarity 25.4%; Pred. No. 2.3;
Matches 47; Conservative 30; Mismatches 63; Indels 45; Gaps 11;

Qy 45 PAVIRSLTLEPDP-PIVVPGNVTLSSVVGSTSVPLS-----SPLKVDLVLEK 88
Db 351 PTAIRALMQAGDEPVKTSRKSLRLGLSGVGEPIPEAWETHRVVGEDRCPI-VDTWQOT 409
Qy 89 EVAGLWI-KIPCTDYI--GSCTFEHFCVDLMLIP-----TGEPCC-----PEPLRT 131
Db 410 ETGGILITPLFGATKLPKGSATRFPGVWPEILDPEGNVLEGECTGNLCLARSWPGQMT 469
Qy 132 -YGLPCHCPKKGTYSLPKSEFAV-----PDLEPWSWLTGTNYRIESVLSSSGKRLGCIK 185
Db 470 VYG--DHARFEQTYFSAYKGKYFTGDCRRDTCGYWITG---RVDDVINVSGHRMGTA 524
Qy 186 IAASL 190
Db 525 VESSL 529

RESULT 11

US-10-369-493-20109


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517 1FWMG---RVDVVLNVSGRRGIGINEVESAL 344

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RESULT 12
 US-10-437-963-187458
 ; Sequence 187458, Application US/10437963
 ; Publication No. US20040123343A1
 ; GENERAL INFORMATION: Thomas J.
 ; APPLICANT: La Rosa, David K.
 ; APPLICANT: Kovalic, David K.
 ; APPLICANT: Zhou, Yihua
 ; APPLICANT: Cao, Yongwei
 ; APPLICANT: Wu, Wei
 ; APPLICANT: Boukharov, Andrey A.
 ; APPLICANT: Barbazuk, Brad
 ; APPLICANT: Li, Ping
 ; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
 ; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
 ; FILE REFERENCE: 38-21(53221)B
 ; CURRENT APPLICATION NUMBER: US/10/437,963
 ; CURRENT FILING DATE: 2003-05-14
 ; NUMBER OF SEQ ID NOS: 204966
 ; SEQ ID NO 187458
 ; LENGTH: 796
 ; TYPE: PRT
 ; ORGANISM: Oryza sativa
 ; FEATURE:
 ; OTHER INFORMATION: Clone ID: PAT_MRT4530_84159C.1.pap
 US-10-437-963-187458

| | | | | |
|-----------------------|--------|----------------|-------|------------------------------------|
| Query Match | 8.6%; | Score 88; | DB 4; | Length 796; |
| Best Local Similarity | 24.2%; | Pred. No. 7.2; | | |
| Matches | 57; | Conservative | 22; | Mismatches 63; Indels 94; Gaps 12; |

QY 24 HLKPKSQLSFSFWDNCFEGKQPAVIRSLTLEPDTIV----VPGNVT----- 66
 NKKK
 108 NKKK\$-----DNEFTCKLPDYLGSLTELEDDLVNCRISSENLETVDFSKPAALTWLF 160

GenCore version 5.1.7

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OM protein - protein search, using sw model

Run on: February 15, 2006, 09:27:39 ; Search time 22.3022 Seconds
(without alignments)
122.986 Million cell updates/sec

Title: US-10-030-937-9

Perfect score: 1018

Sequence: 1 MQSLMQAPLLIALGLLLATP.....LSSSGKRGICIKIAASLKGI 193

Scoring table:

BLOSUM62

Gapop 10.0 , Gapext 0.5

107799 seqs, 14211699 residues

Total number of hits satisfying chosen parameters: 107799

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA New:*

- 1: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pep.*
- 2: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep.*
- 3: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pep.*
- 4: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep.*
- 5: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep.*
- 6: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
- 7: /cgn2_6/ptodata/2/pubpaa/US11_NEW_PUB.pep.*
- 8: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | DB ID | Description |
|------------|-------|-------------|--------|-------|---------------------|
| 1 | 1005 | 98.7 | 201 | 6 | US-10-821-234-1162 |
| 2 | 86.5 | 8.5 | 416 | 7 | US-11-098-686-10708 |
| 3 | 82 | 8.1 | 631 | 6 | US-10-995-561-546 |
| 4 | 78.5 | 7.7 | 1299 | 7 | US-11-169-041-231 |
| 5 | 75 | 7.4 | 483 | 7 | US-11-072-512-3911 |
| 6 | 74 | 7.3 | 519 | 7 | US-11-093-691-10 |
| 7 | 72.5 | 7.1 | 399 | 7 | US-11-124-367A-302 |
| 8 | 72 | 7.1 | 1476 | 7 | US-11-019-711-114 |
| 9 | 71.5 | 7.0 | 269 | 6 | US-10-131-826A-530 |
| 10 | 71.5 | 7.0 | 269 | 7 | US-11-219-146-2 |
| 11 | 71.5 | 7.0 | 693 | 7 | US-11-167-856-2 |
| 12 | 69.5 | 6.8 | 269 | 7 | US-11-219-146-4 |
| 13 | 69.5 | 6.8 | 269 | 7 | US-11-219-146-6 |
| 14 | 69.5 | 6.8 | 269 | 7 | US-11-219-146-8 |
| 15 | 69 | 6.8 | 660 | 7 | US-11-033-039-385 |
| 16 | 69 | 6.8 | 661 | 7 | US-11-155-288-13 |
| 17 | 69 | 6.8 | 661 | 7 | US-11-119-502-1 |
| 18 | 69 | 6.8 | 662 | 7 | US-11-090-439-9 |
| 19 | 68.5 | 6.7 | 406 | 5 | US-09-978-360A-430 |
| 20 | 68.5 | 6.7 | 406 | 6 | US-10-131-826A-66 |
| 21 | 68.5 | 6.7 | 406 | 6 | US-10-131-826A-258 |
| 22 | 68 | 6.7 | 344 | 7 | US-11-186-284-20 |
| 23 | 68 | 6.7 | 344 | 7 | US-11-097-224B-4 |
| 24 | 68 | 6.7 | 618 | 7 | US-11-110-082-25 |
| 25 | 67.5 | 6.6 | 444 | 7 | US-11-205-109-7 |

ALIGNMENTS

RESULT 1

US-10-821-234-1162
; Sequence 1162, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pt_seq_genes Version 1.0
; SEQ ID NO 1162
; LENGTH: 201
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-821-234-1162

Query Match 98.7%; Score 1005; DB 6; Length 201;
Best Local Similarity 99.0%; Pred. No. 6.4e-96;
Matches 191; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

| | | |
|----|-----|---|
| Qy | 1 | MQSLMQAPLLIALGLLLATPAQAHKKPSQLSSFSWDCNCEGKDPVIRSLTLEPDPPIW 60 |
| Db | 9 | MQSLMQAPLLIALGLLLATPAQAHKKPSQLSSFSWDCNCEGKDPVIRSLTLEPDPPIW 68 |
| Qy | 61 | PGNVTLSVVGSTSVPLSSPLKVDLVLEKEVAGLWIKIPCTDIYIGSCTFEHFCVDLMDLIP 120 |
| Db | 69 | PGNVTLSVVGSTSVPLSSPLKVDLVLEKEVAGLWIKIPCTDIYIGSCTFEHFCVDLMDLIP 128 |
| Qy | 121 | TGEPCEPPLRTYGLPCHCPKFGYSLPKSEFAVPDLELPSWLTGTGNRIESVLSGSKR 180 |
| Db | 129 | TGEPCEPPLRTYGLPCHCPKFGYSLPKSEFVVPDLELPSWLTGTGNRIESVLSGSKR 188 |
| Qy | 181 | LGCIKIAASLKGI 193 |
| Db | 189 | LGCIKIAASLKGI 201 |

RESULT 2

US-11-098-686-10708
; Sequence 10708, Application US/11098686
; Publication No. US20060024696A1

GENERAL INFORMATION:
; APPLICANT: Kapur, Vivek and Gebhart, Connie J.
; TITLE OF INVENTION: NUCLEIC ACID AND POLYPEPTIDE SEQUENCES
; TITLE OF INVENTION: FROM LAWSONIA INTRACELLULARIS AND METHODS OF USING
; FILE REFERENCE: 09531-128001
; CURRENT APPLICATION NUMBER: US/11/098,686
; CURRENT FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: PCT/US03/31318
; PRIOR FILING DATE: 2003-10-01
; PRIOR APPLICATION NUMBER: US 60/416,395
; PRIOR FILING DATE: 2002-10-04
; NUMBER OF SEQ ID NOS: 11433
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10708
; LENGTH: 416
; TYPE: PRT
; ORGANISM: Lawsonia intracellularis
US-11-098-686-10708

Query Match 8.5%; Score 86.5; DB 7; Length 416;
Best Local Similarity 21.1%; Pred. No. 0.22;
Matches 43; Conservative 29; Mismatches 63; Indels 69; Gaps 9;

Qy 13 IGLLLATPAQHLKKPSQSFSDW-NCFEKGKDPVIRSLTLEDPPIVPGNVTLSVGS 71
Db 169 IGLKLFQIAAQLKE-----SFVMDVTLRGNVTQVLKSI-SPLHLMSGNMLNELKG 222

Qy 72 TSVPLSSPLK-----VDLVLEKEVAGLWIKIPCTDY-----IGSCT 107
Db 223 TNHLIRSRMQVMMLINNVLSHSGAALFVE-PGTRLGKMLSTLRVAIQDTFISAPCT 281

Qy 108 FEHFCVDLMDLPTGPECPPELRTYGLFCHCPFKEGTSLPKSFAPVDPDLLELPSWLTGN 167
Db 282 HTACPLFN-----STNNLWCHVLF-----DVDAPQWLLN-- 311

Qy 168 YRIBSVLSSGKRLGCIKIAASLK 191
Db 312 -----LSOANLSKVKSFSFQ 328

RESULT 3
US-10-995-561-546
; Sequence 546, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 546
; LENGTH: 631
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-995-561-546

Query Match 8.1%; Score 82; DB 6; Length 631;
Best Local Similarity 23.3%; Pred. No. 1.1;
Matches 49; Conservative 23; Mismatches 74; Indels 64; Gaps 12;

Qy 8 PLLTALGLLAT-----PAQHLKKPSQSFSDWNCFCGKDPVIRSLTLEPPIV 59
Db 191 PLCVAVSAAEATVPSEPIWESQQCEVKADGFLCEBFHF-----PATCRPLAVEPGAAA 242

Qy 60 VPGNVTLSV-----VGSTSVPLSSPLKVDLVL-----EKEVAGLWI 95
Db 243 AAVSITVGTTPAARGADFOALPVSSRA--VAPLGLQLMCTAPPGAVQGHWAREAPGAW- 299

Qy 96 KIPCTDYGSCTFEHFCDVLDMLIPTGBCPEP-----LRTYGLFCHCPFKEGTSLPKSE 151

Db 300 --DCSVENGCG--EHACNA-----IPGAPRCQCPAGAALQADGRSCTASATQSCNDLCE-H 350
Qy 152 FAYPDLELPSWLTGNGVRIESVLSGSKDL 181
Db 351 FCVPNPDP-----GSY---SCMCEIGYRL 372

RESULT 4
US-11-169-041-231
; Sequence 231, Application US/11169041
; Publication No. US20060019284A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: IDENTIFICATION OF POLYNUCLEOTIDES FOR PREDICTING ACTIVITY OF
; TITLE OF INVENTION: COMPOUNDS THAT INTERACT WITH AND/OR MODULATE PROTEIN TYROSINE
; TITLE OF INVENTION: KINASES AND/OR PROTEIN TYROSINE KINASE PATHWAYS IN LUNG CANCER
; TITLE OF INVENTION: CELLS
; FILE REFERENCE: 10001 NP
; CURRENT APPLICATION NUMBER: US/11/169,041
; CURRENT FILING DATE: 2005-06-28
; PRIOR APPLICATION NUMBER: 60/584,405
; PRIOR FILING DATE: 2004-06-30
; NUMBER OF SEQ ID NOS: 527
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 231
; LENGTH: 1299
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-169-041-231

Query Match 7.7%; Score 78.5; DB 7; Length 1299;
Best Local Similarity 25.5%; Pred. No. 6;
Matches 36; Conservative 17; Mismatches 39; Indels 49; Gaps 5;

Qy 44 DPAVIRSLTLEPDPPIVPGNVTLSVVGST-----SVPL-----SS 78
Db 827 EPAVMGHSGEDLPMAVAGNVRVNVNSTLAEVHWDVPVPLKSIKRGHLQGYRIYWKQSS 886

Qy 79 PLKVDLVLEKEVAGLWIKIPCTDYIGSCT-----PEHFCVDLMDLPTGBCPEPL 129
Db 887 SKNRHRIEKKI-----LTFQSKTHGMPLGLEFFSHYTLNVRVNVKGEGRASPD 937

Qy 130 RTYGLFCHCPFKEGTSLPKS 150
Db 938 RVENTP-----EGVPSVPSS 952

RESULT 5
US-11-072-512-3911
; Sequence 3911, Application US/11072512
; Publication No. US20060029945A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAL, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUUKO
; APPLICANT: OTSUKA, KAORU
; APPLICANT: HIO, YURI
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAOHICO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTOUKI
; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: Novel full length cdna
; FILE REFERENCE: 084335-0191

```
; CURRENT APPLICATION NUMBER: US/11/072,512
; CURRENT FILING DATE: 2005-03-07
; PRIOR APPLICATION NUMBER: US 60/350,978
; PRIOR FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: JP 2001-379298
; PRIOR FILING DATE: 2001-11-05
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 3911
; LENGTH: 483
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-072-512-3911

Query Match 7.4%; Score 75; DB 7; Length 483;
Best Local Similarity 30.1%; Pred. No. 3.9;
Matches 37; Conservative 7; Mismatches 43; Indels 36; Gaps 8;

QY 17 LATPAQAHKKPSQLSSFSWDCNCFEGKOPAVIR-SLTLEPDPVIVPGNVTLSVWGTSVP 75
Db 225 LHEPQTHLPSTSLQ-----BQLTPSTATFSDQLTPSATFPG-----P 265

QY 76 LSSPLKVDLVLEKEVAGLWIKI-PTDVIIGSCFHFCDVLDMLIPTGECPEPLRTYGL 134
Db 266 LTPSQGQLT-BTSVRSYEDQLTPCTS-----TFP-----DQLLPSTATFPEPL---GS 310

QY 135 PCH 137
Db 311 PAH 313

RESULT 6
US-11-099-691-10
; Sequence 10, Application US/11099691
; Publication No. US200502606441
; GENERAL INFORMATION:
; APPLICANT: INCYTE PHARMACEUTICALS, INC.
; APPLICANT: BANDMAN, Olga
; APPLICANT: HILLMAN, Jennifer L.
; APPLICANT: LAL, Preeti
; APPLICANT: YUE, Henry
; APPLICANT: TANG, Y. Tom
; APPLICANT: PATTERSON, Chandra
; APPLICANT: BAUGHN, Mariah R.
; TITLE OF INVENTION: CELL SIGNALING PROTEINS
; FILE REFERENCE: PF-0521 PCT
; CURRENT APPLICATION NUMBER: US/11/099,691
; CURRENT FILING DATE: 2005-04-06
; PRIOR APPLICATION NUMBER: US/09/700,444
; PRIOR FILING DATE: 2002-08-26
; PRIOR APPLICATION NUMBER: 60/085,343
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/098,010
; PRIOR FILING DATE: 1998-08-26
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PERL Program
; SEQ ID NO 10
; LENGTH: 519
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc-feature
; OTHER INFORMATION: Incyte Clone 1652936
US-11-099-691-10

Query Match 7.3%; Score 74; DB 7; Length 519;
Best Local Similarity 23.6%; Pred. No. 5.4;
Matches 38; Conservative 23; Mismatches 64; Indels 36; Gaps 9;

QY 8 PLLIALGALLATPAQAHKKPSQLSSFSWDCNCFEGKDPVIRSLTLEPDP-IVVPGNVTL 66
Db 108 PLRHQASLIRSFVERELQDNSSYPDEPWRIITEQREYVYNQFRSLQDPDPSSFISGVAK 167

QY 67 SVVGSTSVPLSSPLKVDLVLEKEVAGLWIKIPCTDVIIGSCFHFCDVLDMLI--PTSEP 124
Db 168 NFF--TKSKLSIP-----ELSYIW-ELSDADCDGALTPEFCAAFHLIVARKNGYP 215

QY 125 CPEPLRTYGLPCHCPFKEGTY---SLPKSEFAVPDLELP 162
Db 216 LPE-----GLP---PTLQPEYLQAAPRK-----PKW 238

RESULT 7
US-11-124-367A-302
; Sequence 302, Application US/11124367A
; Publication No. US20060024700A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; APPLICANT: Hongjin Huang
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; TITLE OF INVENTION: Fibrosis Methods of Detection and Uses Thereof
; FILE REFERENCE: CL001519.ORD
; CURRENT APPLICATION NUMBER: US/11/124,367A
; CURRENT FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,846
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/582,609
; PRIOR FILING DATE: 2004-06-25
; PRIOR APPLICATION NUMBER: US 60/599,554
; PRIOR FILING DATE: 2004-08-09
; NUMBER OF SEQ ID NOS: 34460
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 302
; LENGTH: 399
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-124-367A-302

Query Match 7.1%; Score 72.5; DB 7; Length 399;
Best Local Similarity 22.8%; Pred. No. 5.6;
Matches 42; Conservative 22; Mismatches 55; Indels 65; Gaps 9;

QY 60 VPGNVTLSVWGTSV-----PLSSPLKVDLVLEKEVAGLWIKIPCTDIYIGSC--- 106
Db 215 VAGVSSVLTGATSTGEGPGEVTRPLPPORARL-LEK-----WIRV-----AECRL 263

QY 107--TFEHFCDVLDMLIPT-----GEPCEPLRTYGLPCHCPFKEGTYSLPKSEFAVPD 156
Db 264 RNFSSVAVVSALQSSPIHRLRAAWEATRDSLVFSSLCQIFSEEDNYSQSR-ELLVQE 322

QY 157 LELPSWLT-----TGNY-----RIESVLSGSGKRLGCIXI 186
Db 323 VKLQSPLEPHSKAPRSGSGGVVYVLTGLKDLVMDAASKVQSFSLSCDGRNMVVAI 382

QY 187 AASL 190
Db 383 TSNL 386

RESULT 8
US-11-019-711-114
; Sequence 114, Application US/11019711
; Publication No. US20060009634A1
; GENERAL INFORMATION:
; APPLICANT: Kekuda, Ramesh
; APPLICANT: Alsobrook II, John P
; APPLICANT: Tchernev, Velizar T
; APPLICANT: Liu, Xiaohong
; APPLICANT: Spytek, Kimberly A
; APPLICANT: Pattarajan, Meera
; APPLICANT: Grosse, William M
; APPLICANT: Lepley, Denise M
; APPLICANT: Burgess, Catherine E
; APPLICANT: Vernet, Corine A.M.
; APPLICANT: Li, Li
```

; APPLICANT: Gorman, Linda
; APPLICANT: Edinger, Shlomit R
; APPLICANT: Sciore, Paul
; APPLICANT: Ellerman, Karen
; APPLICANT: Malyankar, Uriel M
; APPLICANT: Rothenberg, Mark
; APPLICANT: Stone, David J
; APPLICANT: Boldog, Ferenc L
; APPLICANT: Guo, Xiaojia
; APPLICANT: Shenoy, Sureah G
; APPLICANT: Anderson, David W
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Taupier Jr, Raymond J
; APPLICANT: Miller, Charles E
; APPLICANT: Eisen, Andrew J
; TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-235
; CURRENT APPLICATION NUMBER: US/11/019,711
; CURRENT FILING DATE: 2004-12-21
; PRIOR APPLICATION NUMBER: US/10/037,417
; PRIOR FILING DATE: 2002-09-20
; PRIOR APPLICATION NUMBER: 60/260,018
; PRIOR FILING DATE: 2001-01-05
; PRIOR APPLICATION NUMBER: 60/260,360
; PRIOR FILING DATE: 2001-01-08
; PRIOR APPLICATION NUMBER: 60/272,411
; PRIOR FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: 60/272,817
; PRIOR FILING DATE: 2001-03-02
; PRIOR APPLICATION NUMBER: 60/291,186
; PRIOR FILING DATE: 2001-05-15
; PRIOR APPLICATION NUMBER: 60/303,231
; PRIOR FILING DATE: 2001-07-05
; PRIOR APPLICATION NUMBER: 60/305,060
; PRIOR FILING DATE: 2001-07-12
; PRIOR APPLICATION NUMBER: 60/318,405
; PRIOR FILING DATE: 2001-09-10
; PRIOR APPLICATION NUMBER: 60/318,700
; PRIOR FILING DATE: 2001-09-12
; NUMBER OF SEQ ID NOS: 227
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 114
; LENGTH: 1476
; TYPE: PRT
; ORGANISM: Mus musculus
US-11-019-711-114

Query Match 7.1%; Score 72; DB 7; Length 1476;
Best Local Similarity 21.6%; Pred. No. 33;
Matches 29; Conservative 29; Mismatches 40; Indels 36; Gaps 6;
Qy 33 SFSWNCNCFEGKDPVIRSLTLEPPIVVGNTLSVVGSTSVPLSSPLKVDLVLEKVA- 91
Db 1287 SFSKQFQVENSRLLLQVAL-PD---IPGYTISVSGCGVYAQTMLRYNMHLEKQLSA 1342
Qy 92 -GLMIK---IPCTDYIGSCTFEHFCVDLMLIPTGECPEPLRTYGLPCHCPFKEGTYSL 147
Db 1343 FAIWQIVPLTCNNPKGNHSFQISLEI-----SY-----TGSR 1375
Qy 148 PKSEFAVPDLPLPS 161
Db 1376 PASNNVIADVKNLS 1389

RESULT 9
US-10-131-826A-530
; Sequence 530, Application US/10131826A
; Publication No. US20050245730A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Naureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc

; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C128
; CURRENT APPLICATION NUMBER: US/10/131,826A
; CURRENT FILING DATE: 2002-04-24
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 530
; LENGTH: 269
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-131-826A-530

Query Match 7.0%; Score 71.5; DB 6; Length 269;
Best Local Similarity 21.4%; Pred. No. 4.3;
Matches 48; Conservative 19; Mismatches 64; Indels 93; Gaps 8;
Qy 9 LLIALGLLLA-----TPQAHLKKPSQ-----LSFSWNCNCFEGKDP 45
Db 24 LAALGLLTAGVSALEVYTFKEIFVANGTQGLTKCKFKSTSTGGLTSVSWSFQEGADT 83
Qy 46 AVI-----RSLTLE-----PDP 57
Db 84 TVSFHYHYSQGVYLGNYPPFKDRISWAGDLKKDASINENMQFIHNGTVICDVKNPDI 143
Qy 58 IIVPGNVTLSVVGSTSVPLSSPLKVDLVLEKVAAGLWKIPK-----TDYIGS 105
Db 144 WQPGHIRLVYVEKENLPVFPVWVGIVTAVVLGLTLISMLAVLYRRKNSKRDYTG- 202
Qy 106 CTPEHFCVDLMLIPTGE-PCPEPLRTYGLPCHCPFKEGTYSLP 148
Db 203 -----CSTSESLSPVKQAPRKSPSDTEGLVKSLP--SGSHQGP 238

RESULT 10
US-11-219-146-2
; Sequence 2, Application US/11219146
; Publication No. US20060014932A1
; GENERAL INFORMATION:
; APPLICANT: Vanderbilt University

```

; APPLICANT: Zhao, Zhizhuang
; TITLE OF INVENTION: PURIFIED AND ISOLATED PROTEIN ZERO RELATED (PZR) AND THERAPEUTIC
; FILE OF INVENTION: AND SCREENING METHODS USING SAME
; FILE REFERENCE: 1242/11/2/2/2
; CURRENT APPLICATION NUMBER: US/11/219,146
; CURRENT FILING DATE: 2005-09-02
; PRIOR APPLICATION NUMBER: US 09/430,503
; PRIOR FILING DATE: 1999-10-29
; PRIOR APPLICATION NUMBER: US 60/106,459
; PRIOR FILING DATE: 1998-10-30
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 2
; LENGTH: 269
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-11-219-146-2

Query Match          7.0%; Score 71.5; DB 7; Length 269;
Best Local Similarity 21.4%; Pred. No. 4.3;
Matches 48; Conservative 19; Mismatches 64; Indels 93; Gaps 8;

Qy 9 LLIALGLLLA-----TPAQAHLLKPSQ-----LSFSWDNCFEGKDP 45
Db 24 LAAALGILTAGVSALEVTTPKEIFVANGTQGLTKCKPKSTTTGGLTSVSWSFQEGADT 83
Qy 46 AVI-----RSUTLE-----PDP 57
Db 84 TVSFHYHQQGVLYGNYPFKDRISWAGDLDDKKDASINENMQFIHNGTYICDVKNPPDI 143
Qy 58 IVVPGNVTLSVVGSTSVPLSSPLKVDLVLEKEVAGLWKIPK-----TDYIGS 105
Db 144 VVQGHIRLYVVEKENLFPVFWVVGIVTAVVGLTLLISMILAVLYRRKNSKRDYTG- 202
Qy 106 CTFEHFCDVLDMLIPTGE-PCPEPLRTYGLPCHPCFKEGTYSLP 148
Db 203 -----CSTSESLSPVKQAPKPSDTEGLVKSLP--SGSHQGP 238

RESULT 11
US-11-167-856-2
; Sequence 2, Application US/11167856
; Publication No. US20050268352A1
; GENERAL INFORMATION:
; APPLICANT: Nikolau, Basil J
; APPLICANT: Wurtele, Eve S
; APPLICANT: Oliver, David J
; APPLICANT: Behal, Robert
; APPLICANT: Schnable, Patrick S
; APPLICANT: Ke, Jinshan
; APPLICANT: Johnson, Jerry L
; APPLICANT: Allred, Carolyn C
; APPLICANT: Fatland, Beth
; APPLICANT: Lutziger, Isabelle
; APPLICANT: Wen, Tsui-Jung
; TITLE OF INVENTION: Materials and Methods for the Alteration of Enzyme and
; FILE OF INVENTION: Acetyl CoA Levels in Plants
; FILE REFERENCE: P2194USDIV-2
; CURRENT APPLICATION NUMBER: US/11/167,856
; CURRENT FILING DATE: 2005-06-27
; PRIOR APPLICATION NUMBER: US 10/293,865
; PRIOR FILING DATE: 2002-11-13
; PRIOR APPLICATION NUMBER: US 09/344,882
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: US 60/090,717
; PRIOR FILING DATE: 1998-06-26
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn ver. 3.1
; SEQ ID NO 2
; LENGTH: 693
; TYPE: PRT
; ORGANISM: Arabidopsis Thaliana
; US-11-167-856-2
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Query Match          7.0%; Score 71.5; DB 7; Length 693;
Best Local Similarity 22.0%; Pred. No. 14;
Matches 46; Conservative 23; Mismatches 47; Indels 93; Gaps 12;

Qy 45 PAVIRSLTLEPDPITV-----VPGNV-----TLVVVGSTSVPLSSPLKVDL 84
Db 404 PTLVRSMLRRDDKFTVTRHSRKSRLVLSVSGBPINPSAWRFNVVVGDSRCFIS-----DT 458
Qy 85 VLEKEVAGL-----WIKIPCTDYIGSCTFEHFCDVLDMLIP-----TGEPK- 125
Db 459 WWOQETGGFMITPLPGAWPQKP-----GSATFPFF-GVQPVIVDEKNEIGECSGYLCV 512
Qy 126 ----PEPLRT-----YGLPCHCPF-----KEGTVSLPKSEFAVPDLELPS 161
Db 513 KGSWPGAFRTLFGDHERYETTYFKFPFAGYYFSGDGRCDKGGY-----556
Qy 162 WLTGNYRIESVLSGSGKRLGCIKIAASL 190
Db 557 WLTG---RVDDVINVSGHRIGTAEVESAL 582

RESULT 12
US-11-219-146-4
; Sequence 4, Application US/11219146
; Publication No. US20060014932A1
; GENERAL INFORMATION:
; APPLICANT: Vanderbilt University
; APPLICANT: Zhao, Zhizhuang
; TITLE OF INVENTION: PURIFIED AND ISOLATED PROTEIN ZERO RELATED (PZR) AND THERAPEUTIC
; FILE OF INVENTION: AND SCREENING METHODS USING SAME
; FILE REFERENCE: 1242/11/2/2/2
; CURRENT APPLICATION NUMBER: US/11/219,146
; CURRENT FILING DATE: 2005-09-02
; PRIOR APPLICATION NUMBER: US 09/430,503
; PRIOR FILING DATE: 1999-10-29
; PRIOR APPLICATION NUMBER: US 60/106,459
; PRIOR FILING DATE: 1998-10-30
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 4
; LENGTH: 269
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-11-219-146-4

Query Match          6.8%; Score 69.5; DB 7; Length 269;
Best Local Similarity 21.0%; Pred. No. 6.9;
Matches 47; Conservative 20; Mismatches 64; Indels 93; Gaps 8;

Qy 9 LLIALGLLLA-----TPAQAHLLKPSQ-----LSFSWDNCFEGKDP 45
Db 24 LAAALGILTAGVSALEVTTPKEIFVANGTQGLTKCKPKSTTTGGLTSVSWSFQEGADT 83
Qy 46 AVI-----RSUTLE-----PDP 57
Db 84 TVSFHYHQQGVLYGNYPFKDRISWAGDLDDKKDASINENMQFIHNGTYICDVKNPPDI 143
Qy 58 IVVPGNVTLSVVGSTSVPLSSPLKVDLVLEKEVAGLWKIPK-----TDYIGS 105
Db 144 VVQGHIRLYVVEKENLFPVFWVVGIVTAVVGLTLLISMILAVLYRRKNSKRDYTG- 202
Qy 106 CTFEHFCDVLDMLIPTGE-PCPEPLRTYGLPCHPCFKEGTYSLP 148
Db 203 -----CSTSESLSPVKQAPKPSDTEGLVKSLP--SGSHQGP 238

RESULT 13
US-11-219-146-6
; Sequence 6, Application US/11219146
; Publication No. US20060014932A1
; GENERAL INFORMATION:
; APPLICANT: Vanderbilt University
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APPLICANT: Zhao, Zhizhuang
TITLE OF INVENTION: PURIFIED AND ISOLATED PROTEIN ZERO RELATED (PZR) AND THERAPEUTIC
FILE REFERENCE: 1242/11/2/2/2
CURRENT APPLICATION NUMBER: US/11/219,146
CURRENT FILING DATE: 2005-09-02
PRIOR APPLICATION NUMBER: US 09/430,503
PRIOR FILING DATE: 1999-10-29
PRIOR APPLICATION NUMBER: US 60/106,459
PRIOR FILING DATE: 1998-10-30
NUMBER OF SEQ ID NOS: 49
SOFTWARE: PatentIn version 3.3
SEQ ID NO 6
LENGTH: 269
TYPE: PRT
ORGANISM: Homo sapiens
US-11-219-146-6

Query Match 6.8%; Score 69.5; DB 7; Length 269;
Best Local Similarity 21.0%; Pred. No. 6.9;
Matches 47; Conservative 20; Mismatches 64; Indels 93; Gaps 8;

9 LLTAIGLLLA-----TPQAHLKKPSQ-----LSSFSWDCFEKGP 45
24 LAAALGILTAGVSALEVYTPKEIFVANGTQGLTKCFKSTSTTGGTSSVMSFQEGADT 83
46 AVI-----RSLTLE-----PDP 57
84 TVSFFHYSQGVLYGNYPFKDRISWAGDLDKKDASINENMQFIHNGTICDVKNPPDI 143
58 IVVPGNVTLSVWGTSVPLSSPLKVDLVLEKEVAGLWIKIPC-----TDYIGS 105
144 VVQPGHRLVVEKENLPVFPVWVGIVTAVVLGLTLLSMILAVLYRRKNSKRDYTG- 202

106 CTPEHFCVDLMLIPTGE-PCPEPLRTYGLPCHCPFKEGTYSLP 148
203 -----CSTSESLSPVKQAPRKSPSDTEGLVKSLP--SGSHQGP 238

RESULT 14
US-11-219-146-8
Sequence 8, Application US/11219146
Publication No. US20060014932A1
GENERAL INFORMATION:
APPLICANT: Vanderbilt University
APPLICANT: Zhao, Zhizhuang
TITLE OF INVENTION: PURIFIED AND ISOLATED PROTEIN ZERO RELATED (PZR) AND THERAPEUTIC
FILE REFERENCE: 1242/11/2/2/2
CURRENT APPLICATION NUMBER: US/11/219,146
CURRENT FILING DATE: 2005-09-02
PRIOR APPLICATION NUMBER: US 09/430,503
PRIOR FILING DATE: 1999-10-29
PRIOR APPLICATION NUMBER: US 60/106,459
PRIOR FILING DATE: 1998-10-30
NUMBER OF SEQ ID NOS: 49
SOFTWARE: PatentIn version 3.3
SEQ ID NO 8
LENGTH: 269
TYPE: PRT
ORGANISM: Homo sapiens
US-11-219-146-8

Query Match 6.8%; Score 69.5; DB 7; Length 269;
Best Local Similarity 21.0%; Pred. No. 6.9;
Matches 47; Conservative 20; Mismatches 64; Indels 93; Gaps 8;

9 LLTAIGLLLA-----TPQAHLKKPSQ-----LSSFSWDCFEKGP 45
24 LAAALGILTAGVSALEVYTPKEIFVANGTQGLTKCFKSTSTTGGTSSVMSFQEGADT 83
46 AVI-----RSLTLE-----PDP 57

84 TVSFFHYSQGVLYGNYPFKDRISWAGDLDKKDASINENMQFIHNGTICDVKNPPDI 143
58 IVVPGNVTLSVWGTSVPLSSPLKVDLVLEKEVAGLWIKIPC-----TDYIGS 105
144 VVQPGHRLVVEKENLPVFPVWVGIVTAVVLGLTLLSMILAVLYRRKNSKRDYTG- 202

106 CTPEHFCVDLMLIPTGE-PCPEPLRTYGLPCHCPFKEGTYSLP 148
203 -----CSTSESLSPVKQAPRKSPSDTEGLVKSLP--SGSHQGP 238

RESULT 15
US-11-033-039-385
Sequence 385, Application US/11033039
Publication No. US2006002947A1
GENERAL INFORMATION:
APPLICANT: HUMPHREYS, ROBERT
APPLICANT: XU, MINZHEN
TITLE OF INVENTION: LI-KEY/ANTIGENIC EPIPOPE HYBRID PEPTIDE VACCINES
FILE REFERENCE: REH-2017US01
CURRENT APPLICATION NUMBER: US/11/033,039
CURRENT FILING DATE: 2005-01-11
PRIOR APPLICATION NUMBER: 10/245,871
PRIOR FILING DATE: 2002-09-17
PRIOR APPLICATION NUMBER: 10/197,000
PRIOR FILING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: 09/396,813
PRIOR FILING DATE: 1999-09-14
NUMBER OF SEQ ID NOS: 1452
SOFTWARE: PatentIn version 3.3
SEQ ID NO 385
LENGTH: 660
TYPE: PRT
ORGANISM: Homo sapiens
US-11-033-039-385

Query Match 6.8%; Score 69; DB 7; Length 660;
Best Local Similarity 23.5%; Pred. No. 24;
Matches 43; Conservative 24; Mismatches 54; Indels 62; Gaps 11;

4 LMQAPILLIAL-----GLLLATPAQAHKKPSQLSSFSWDCFEKGPVIRSLTLEPDP 57
232 LRNQPLTFALQLHDPGSL-----AEADL-----SYTWD--FGDSSGTLISRALVVVTH 278
58 IVVPGNVTLSVWGTSVPL-----SSPL-----KVDLVLEKEVAGLWIKIPCCTDYIGSC 106
279 YLEPGPVTAQVVLQAAIPLTSCGSSPVPGTGDGHRPTAEAPNTAG---QVPTTEVVGT 335
107 TFEHFCVDLMLIPTGEPCPEPLRTYGLPCHCPFKEGTYS--LPKSE-FAVPDLELPSWL 163
336 PGQ-----APTAEP-----SGTTSVQVPTTEVISTAPVQMPTAE 369
164 TTG 166
370 STG 372

Search completed: February 15, 2006, 09:32:49
Job time : 23.3022 secs

GenCore version 5.1.7
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: February 15, 2006, 09:07:30 : Search time 73.7689 Seconds
(without alignments)
216.303 Million cell updates/sec

Title: US-10-030-937-9

Perfect score: 1018

Sequence: 1 MQSLMQAPLLIALGLLATP.....LSSSGKRLGCIKIAASLKGI 193

Scoring table: BIOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:*

- 1: /cgn2_6/ptodata/1/iaa/5 COMB.pap:*
- 2: /cgn2_6/ptodata/1/iaa/6 COMB.pap:*
- 3: /cgn2_6/ptodata/1/iaa/H COMB.pap:*
- 4: /cgn2_6/ptodata/1/iaa/PCTUS COMB.pap:*
- 5: /cgn2_6/ptodata/1/iaa/RE COMB.pap:*
- 6: /cgn2_6/ptodata/1/iaa/backfiles1.pap:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description |
|------------|-------|-------------|--------|----|-------------------|
| 1 | 1005 | 98.7 | 193 | 2 | US-09-183-841-1 |
| 2 | 857 | 84.2 | 178 | 2 | US-09-183-841-2 |
| 3 | 88.5 | 8.7 | 310 | 2 | US-09-976-594-807 |
| 4 | 86.5 | 8.5 | 410 | 2 | US-08-630-172-17 |
| 5 | 86.5 | 8.5 | 410 | 2 | US-09-375-419-17 |
| 6 | 86.5 | 8.5 | 768 | 2 | US-09-302-812-8 |
| 7 | 86.5 | 8.5 | 768 | 2 | US-09-511-477-8 |
| 8 | 86.5 | 8.5 | 768 | 2 | US-09-511-507-8 |
| 9 | 86.5 | 8.5 | 768 | 2 | US-09-973-451-8 |
| 10 | 86 | 8.4 | 143 | 2 | US-09-860-793-3 |
| 11 | 83 | 8.2 | 572 | 6 | 5256770-7 |
| 12 | 82 | 8.1 | 446 | 1 | US-08-307-444A-5 |
| 13 | 82 | 8.1 | 446 | 1 | US-08-587-389-5 |
| 14 | 82 | 8.1 | 456 | 1 | US-08-307-444A-3 |
| 15 | 82 | 8.1 | 456 | 1 | US-08-307-444A-4 |
| 16 | 82 | 8.1 | 456 | 1 | US-08-587-389-3 |
| 17 | 82 | 8.1 | 456 | 1 | US-08-587-389-4 |
| 18 | 82 | 8.1 | 475 | 1 | US-08-307-444A-1 |
| 19 | 82 | 8.1 | 475 | 1 | US-08-307-444A-2 |
| 20 | 82 | 8.1 | 475 | 1 | US-08-587-389-1 |
| 21 | 82 | 8.1 | 475 | 1 | US-08-587-389-2 |
| 22 | 82 | 8.1 | 476 | 1 | US-08-014-723-1 |
| 23 | 82 | 8.1 | 476 | 1 | US-08-014-723-2 |
| 24 | 82 | 8.1 | 476 | 1 | US-08-014-723-18 |
| 25 | 82 | 8.1 | 476 | 1 | US-08-110-011A-1 |
| 26 | 82 | 8.1 | 476 | 1 | US-08-110-011A-2 |
| 27 | 82 | 8.1 | 476 | 1 | US-08-110-011A-18 |

| | | | | | | |
|----|----|-----|-----|---|-------------------|--------------------|
| 28 | 82 | 8.1 | 494 | 1 | US-08-014-723-14 | Sequence 14, Appl |
| 29 | 82 | 8.1 | 494 | 1 | US-08-014-723-16 | Sequence 16, Appl |
| 30 | 82 | 8.1 | 494 | 1 | US-08-110-011A-14 | Sequence 14, Appl |
| 31 | 82 | 8.1 | 494 | 1 | US-08-110-011A-16 | Sequence 16, Appl |
| 32 | 82 | 8.1 | 497 | 1 | US-08-312-870-3 | Sequence 3, Appl |
| 33 | 82 | 8.1 | 497 | 2 | US-09-331-793-4 | Sequence 4, Appl |
| 34 | 82 | 8.1 | 498 | 1 | US-08-733-564-2 | Sequence 2, Appl |
| 35 | 82 | 8.1 | 516 | 2 | US-09-509-994-1 | Sequence 1, Appl |
| 36 | 82 | 8.1 | 516 | 2 | US-09-509-994-2 | Sequence 2, Appl |
| 37 | 82 | 8.1 | 575 | 1 | US-08-261-206A-59 | Sequence 59, Appl |
| 38 | 82 | 8.1 | 575 | 1 | US-08-312-870-1 | Sequence 1, Appl |
| 39 | 82 | 8.1 | 575 | 1 | US-08-170-290A-54 | Sequence 54, Appl |
| 40 | 82 | 8.1 | 575 | 2 | US-09-880-484D-2 | Sequence 2, Appl |
| 41 | 82 | 8.1 | 575 | 2 | US-10-438-648-2 | Sequence 2, Appl |
| 42 | 82 | 8.1 | 575 | 2 | US-09-949-002-296 | Sequence 296, App |
| 43 | 82 | 8.1 | 575 | 6 | 5466668-6 | Patent No. 5466668 |
| 44 | 82 | 8.1 | 682 | 2 | US-09-949-002-436 | Sequence 436, App |
| 45 | 82 | 8.1 | 746 | 2 | US-09-370-838-185 | Sequence 185, App |

ALIGNMENTS

RESULT 1

US-09-183-841-1
; Sequence 1, Application US/09183841
; Patent No. 6423680
; GENERAL INFORMATION:
; APPLICANT: Hospital for Sick Children
; TITLE OF INVENTION: A No. 6423680el Inhibitor of Platelet Activating Factor
; FILE REFERENCE: vanz0010
; CURRENT APPLICATION NUMBER: US/09/183.841
; CURRENT FILING DATE: 1998-10-30
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 193
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SIGNAL
; LOCATION: (33)..(55)
; FEATURE:
; OTHER INFORMATION: residues 56-63 are included in a further precursor
; OTHER INFORMATION: form of the protein
US-09-183-841-1

Query Match 98.7%; Score 1005; DB 2; Length 193;
Best Local Similarity 99.0%; Pred. No. 3.9e-110;
Matches 191; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

| | | | |
|----|-----|--|-----|
| Qy | 1 | MQSLMQAPLLIALGLLATPAQAHLKPKSOLSSFSWDCNCFEGKDPVIRSLTLEPDPVW | 60 |
| Db | 1 | MQSLMQAPLLIALGLLATPAQAHLKPKSOLSSFSWDCNCFEGKDPVIRSLTLEPDPVW | 60 |
| Qy | 61 | PGNVTLSVVGSTSVPLSSPLKVDLVLEKEVAGLWIKIPCTDYIGSCTFEHFCVDLMDLIP | 120 |
| Db | 61 | PGNVTLSVVGSTSVPLSSPLKVDLVLEKEVAGLWIKIPCTDYIGSCTFEHFCVDLMDLIP | 120 |
| Qy | 121 | TGEPCEPLRTYGPCHCPKKEGYSLPKSFAYVDLPLPSWLTGTGNVRIESVLSSSGKR | 180 |
| Db | 121 | TGEPCEPLRTYGPCHCPKKEGYSLPKSFAYVDLPLPSWLTGTGNVRIESVLSSSGKR | 180 |
| Qy | 181 | LGCIKIAASLKGI | 193 |
| Db | 181 | LGCIKIAASLKGI | 193 |

RESULT 2

US-09-183-841-2
; Sequence 2, Application US/09183841
; Patent No. 6423680
; GENERAL INFORMATION:


```

; Patent No. 6395543
; GENERAL INFORMATION:
; APPLICANT: JACOBSON, Myron K.
; APPLICANT: JACOBSON, Elaine L.
; APPLICANT: AME, Jean-Christophe
; APPLICANT: LIN, Winston
; TITLE OF INVENTION: GENES ENCODING SEVERAL POLY (ADP-RIBOSE) GLYCOPHYDROLASE (PARG) EN
; TITLE OF INVENTION: THE PROTEINS AND FRAGMENTS THEREOF, AND ANTIBODIES IMMUNOREACTIV
; FILE REFERENCE: NIAD 201
; CURRENT APPLICATION NUMBER: US/09/511.507
; CURRENT FILING DATE: 2000-02-23
; PRIOR APPLICATION NUMBER: 09/302,812
; PRIOR FILING DATE: 1999-04-30
; NUMBER OF SEQ ID NOS: 38
; SEQ ID NO 8
; LENGTH: 768
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
; FEATURE:
; US-09-511-507-8

Query Match      8.5%; Score 86.5; DB 2; Length 768;
Best Local Similarity 25.4%; Pred No. 0.57; 94; Indels 37; Gaps 9;
Matches 53; Conservative 25; Mismatches 25;

Qy 3 SLMQAPLLIALGLLATPAQAHLKKPSQLSSF---SWDNCFEKGDPAVIRSL----- 51
Db 245 SQQQISCLLANAFILCTFPRNTLKRKSEYSTFPDINFNRLYQSTGPAVLEKLCIMHYFR 304
Qy 52 ---TLPPDPPIVPGNVTLSVVGVS-----TSVPILSS-PLKVDL---VLEKEVAGLW 94
Db 305 RVCPTERDAGNVPTGVVTVFYRRSLGPLEHLIDWSQSAAPLGDVPLHVDAEGTIEDEGIGLL 364
Qy 95 IKIPCTDYIGSCTFEHPFC--DVLDMLIPTGCEPCPEPL-RTYGLPCHCPKPEKGYTSLPKSE 151
Db 365 QVDFPANKYLGGVVLGHCCVQEEIRFVI-----CPDLLVGKLFTECLRPFP-EALVMLGAER 418
Qy 152 FAVPDPLELPGLWTTGNYRIEIVLSSSGKR 180
Db 419 YSNYTGAGSFQWNGFNEDSTPRDSSGRR 447

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RESULT 9
US-09-973-451-8
; Sequence 8, Application US/09973451
; Patent No. 6906180
; GENERAL INFORMATION:
; APPLICANT: JACOBSON, Myron K.
; APPLICANT: JACOBSON, Elaine L.
; APPLICANT: AM, Jean-Christophe
; APPLICANT: LIN, Winston
; TITLE OF INVENTION: GENES ENCODING SEVERAL POLY (ADP-RIBOSE) GLYCOHYDROLASE
; TITLE OF INVENTION: (PARG) ENZYMES,
; TITLE OF INVENTION: THE PROTEINS AND FRAGMENTS THEREOF, AND ANTIBODIES IMMUNOREACTIV
; TITLE OF INVENTION: THEREWITH
; FILE REFERENCE: NIAID 201
; CURRENT APPLICATION NUMBER: US/09/973,451
; CURRENT FILING DATE: 2001-10-09
; PRIOR APPLICATION NUMBER: US/09/302,812
; PRIOR FILING DATE: 1999-04-30
; PRIOR APPLICATION NUMBER: 60/083,768
; PRIOR FILING DATE: 1998-05-01
; NUMBER OF SEQ ID NOS: 38
; SEQ ID NO 8
; LENGTH: 768
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
; FEATURE:
;
US-09-973-451-8
Query Match 8.5%; Score 86.5; DB 2; Length 768;
Best Local Similarity 25.4%; Pred. No. 0.57;

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Matches 53; Conservative 25; Mismatches 94; Indels 37; Gaps 9
Qy 3 SLMQAPLLIALGLLLATPAQAHLLKPKSQLSSF---SWDNCFEKGDPAVIRSL----- 51
Db 245 SQQQISCLLANAFICTPFRNTLKRKEYSTFFDINFNRLYQSTGPAVLEKLCIMHYFR 304
Qy 52 ---TLEPDPPIVPGNVTLSVVG-----TSVPLSS-PLKVDL--VLEKEVAGLW 94
Db 305 RVCPTERDASNVPTGVVTVFRRSGLPEHLIDWSQSAAPLGDVPLHVDAGETIEDGIGLL 364
Qy 95 IKIPCTDYIGSCTFEHFC--DVLDMLIPTGECPCPEPL-RTYGLPCHCPFKEGTVSLPKSE 151
Db 365 QVDPFANKYLGGVGCHGCQVEEIRFVI-----CPDLLVGKLFTECLRPF-EALVMLGAER 418
Qy 152 FAVPDLBPLSWLTTGNRYRIESVLSSSGKR 180
Db 419 YSNVTGYAGSFWSGNFEDSTPRDSSGRR 447

RESULT 10
US-09-860-793-3
; Sequence 3, Application US/09860793
; Patent No. 6559121
; GENERAL INFORMATION:
; APPLICANT: Pruett, John H
; APPLICANT: Temeyer, Kevin B
; APPLICANT: Kunz, Sidney E
; APPLICANT: Fisher, William F
; TITLE OF INVENTION: Vaccines for the Protection of Cattle from Psoroptic
; TITLE OF INVENTION: Scabies
; FILE REFERENCE: Docket 0047.96 - John H. Pruett et al.
; CURRENT APPLICATION NUMBER: US/09/860,793
; CURRENT FILING DATE: 2001-05-18
; PRIOR APPLICATION NUMBER: 09/366,603
; PRIOR FILING DATE: 1999-08-03
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 3
; LENGTH: 143
; TYPE: PRT
; ORGANISM: Psoroptes ovis
US-09-860-793-3

Query Match 8.4%; Score 86; DB 2; Length 143;
Best Local Similarity 22.8%; Pred. No. 0.056;
Matches 43; Conservative 32; Mismatches 56; Indels 58; Gaps 10;

Qy 10 LIALGLLLATPAQAHLLKPKSQLSSFSWDNCFEGKDPAVIRSLTLE---PDPVIVPGNVTL 66
Db 5 LWLVAITLAVVVSAGKVK-----FQDCGKGE---VESLEVEGCGSDYCVIHKGKGL 51
Qy 67 SV-VGSTSVPLSSPLKVDLLEKEVAGLWIKPCTDYIGSCTPFHFCVDLDMLIPTGEP 125
Db 52 DLATSVTNSQDSANMLKLDIV--ADINGVQIEVPGVDHGD----- 88
Qy 126 PEPLRTYGLPCH---CPFKEGTYSLPKSEFAVPDLEPLPSWLTTGNRYRIESVLSSSGKR 182
Db 89 -----CHYVKCPIKKGQHFVDKYTSIPAI-LP---TTKAKIITAKIIGDKGLG-G 133
Qy 183 CIKTAASLK 191
Db 134 CIVINGEIQ 142

RESULT 11
US-09-860-793-3
; Patent No. 5256770
; APPLICANT: GLASER, CHARLES B.; MORSE, MICHAEL J.; LIGHT,
; DAVID R.
; TITLE OF INVENTION: OXIDATION RESISTANT THROMBOMODULIN ANALOGS
; NUMBER OF SEQUENCES: 48
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/506,325

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; FILING DATE: 09-APR-1990
; SEQ ID NO:7
; LENGTH: 572
5256770-7

Query Match      8.2%; Score 83; DB 6; Length 572;
Best Local Similarity 23.6%; Pred. No. 0.95; Indels 62; Gaps 12;
Matches 49; Conservative 23; Mismatches 74;

QY   8 PLLIALGLLIAT-----PAQHLLKPSQLSSFSWDCNCFEGKDPAVIRSLTLEPDPIV 59
    |||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||
Db   134 PLCVAVSAAEATVPSEPIWEEOQCEVKADGFLCEHFH-----PATCRPLAVEPGAAA 185
    |||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||
QY   60 VPGNVTLVS-----VGSTSVPLSSPLKVDLVL-----EKEVAGIWIKI 97
    :||:::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||
Db   186 AAVSITYGTPTFAARGADFQALPVGSAA--VAPLGILQMCTAGNVQGHWAREAPGAW--- 240
    :||:::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||
QY   98 PCTDYIGSCTFEHFCDVLDMLIPTGPCPEP----LRTYGLPCHPCPFKEGTVSLPKSEFA 153
    |||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||
Db   241 DCSVENGGC--EHACNA-----IPGAPRCOCPPAGAALQADGRSCTASATQSCNDLCE-HFC 293
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QY   154 VPDLPLSPWLTTGNRYRIESVSSSGKRL 181
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Db   294 VPNPDQP-----GSY---SCMCETGYRL 313
    |||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||

RESULT 12
US-08-307-444A-5
; Sequence 5, Application US/08307444A
; Patent No. 5516659
; GENERAL INFORMATION:
; APPLICANT: NII, ATSUSHI
; APPLICANT: MORISHITA, HIDEAKI
; APPLICANT: UEMURA, AKIO
; APPLICANT: MOCHIDA, EI
; TITLE OF INVENTION: ANTICOAGULANT POLYPEPTIDES
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OLIFF & BERRIDGE
; STREET: P.O. BOX 19928
; CITY: ALEXANDRIA
; STATE: VA
; COUNTRY: USA
; ZIP: 22320
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/307,444A
; FILING DATE: 19-SEP-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/835,436
; FILING DATE: 26-FEB-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: OLIFF, JAMES A.
; REGISTRATION NUMBER: 27,075
; REFERENCE/DOCKET NUMBER: JAO 27706
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 836-6400
; TELEFAX: (703) 836-2787
; TELEX: 90-1799 PTO ALEX
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 446 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: NO
; ANTI-SENSE: NO

US-08-307-444A-5

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| Db | 117 | PLCVAVSAAEATVPSEPIWEEQCEVKADGFLCEHF-----PATCRPLAVEPGAAA | 168 |
| Qy | 60 | VPGNVTLSV-----VGSYSVPLSSPLKVDLVL-----EKEVAGLWI | 95 |
| Db | 169 | AAVSITYGTPFAARGADFOALEVGSAA--VAPLGLQLMCTAPPGAVQGHWAREAPGAW- | 225 |
| Qy | 96 | KIPCTDYIGSCTFEHFCDVLDMLIPTGPCEP-----LRTYGLPCHCPKKGTYSLPKSE | 151 |
| Db | 226 | --DCSVENGCC--EHACNA----IFGAPRCQCPAGAALQADGRSCTASATQSCNDLCE-H | 276 |
| Qy | 152 | FAVPDLPLPSWLTTCNYRIESVLSSSGKRL | 181 |
| Db | 277 | FCVNPDPQ-----GSY---SCMCETGYRL | 298 |

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Job time : 74.7689 secs

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Copyright (c) 1993 - 2006 Bioceleration Ltd.
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(without alignments)
1016.172 Million cell updates/sec

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Perfect score: 1018
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Searched: 9793542 seqs, 4134689005 residues
Total number of hits satisfying chosen parameters: 19587084

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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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-YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database : Published Applications NA Main:
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2: /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq.*
3: /cgn2_6/ptodata/1/pubpna/US09A_PUBCOMB.seq.*
4: /cgn2_6/ptodata/1/pubpna/US09B_PUBCOMB.seq.*
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6: /cgn2_6/ptodata/1/pubpna/US10B_PUBCOMB.seq.*
7: /cgn2_6/ptodata/1/pubpna/US10C_PUBCOMB.seq.*
8: /cgn2_6/ptodata/1/pubpna/US10D_PUBCOMB.seq.*
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10: /cgn2_6/ptodata/1/pubpna/US11_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

| SUMMARIES | | | | |
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| Result No. | Score | Query Match | Length DB ID | Description |
| 1 | 1005 | 98.7 | 2436 | 3 US-09-954-531-380 |
| 2 | 1005 | 98.7 | 2436 | 3 US-09-525-978B-81 |
| 3 | 1005 | 98.7 | 2436 | 9 US-10-843-641A-1447 |
| 4 | 1005 | 98.7 | 2478 | 6 US-10-170-385-390 |
| 5 | 1005 | 98.7 | 2498 | 9 US-10-450-763-16917 |
| 6 | 1000 | 98.2 | 953 | 3 US-10-723-860-528 |
| 7 | 1000 | 98.2 | 1935 | 3 US-09-971-392-102 |

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| 8 | 1000 | 98.2 | 2384 | 3 | US-09-822-849A-53 | Sequence 53, Appl |
| 9 | 1000 | 98.2 | 2471 | 9 | US-10-450-763-711 | Sequence 711, Appl |
| 10 | 1000 | 98.2 | 3988 | 8 | US-10-723-860-5187 | Sequence 5187, Ap |
| 11 | 740.5 | 72.7 | 1983 | 6 | US-10-388-934-167 | Sequence 167, App |
| 12 | 544 | 53.4 | 546 | 9 | US-10-450-763-708 | Sequence 708, App |
| 13 | 424 | 41.7 | 577 | 6 | US-10-264-049-436 | Sequence 436, App |
| 14 | 367.5 | 36.1 | 596 | 9 | US-10-972-079-7219 | Sequence 7219, Ap |
| 15 | 367.5 | 36.1 | 599 | 9 | US-10-972-079-7218 | Sequence 7218, Ap |
| 16 | 354 | 34.8 | 475 | 3 | US-09-864-761-1518 | Sequence 1518, Ap |
| 17 | 333 | 32.7 | 448 | 3 | US-09-969-034-4215 | Sequence 4215, Ap |
| 18 | 272 | 26.7 | 546 | 5 | US-10-027-632-207798 | Sequence 207798, |
| 19 | 272 | 26.7 | 546 | 5 | US-10-027-632-207799 | Sequence 207799, |
| 20 | 272 | 26.7 | 546 | 5 | US-10-027-632-207800 | Sequence 207800, |
| 21 | 272 | 26.7 | 546 | 5 | US-10-027-632-207801 | Sequence 207801, |
| 22 | 272 | 26.7 | 546 | 6 | US-10-027-632-207798 | Sequence 207798, |
| 23 | 272 | 26.7 | 546 | 6 | US-10-027-632-207799 | Sequence 207799, |
| 24 | 272 | 26.7 | 546 | 6 | US-10-027-632-207800 | Sequence 207800, |
| 25 | 272 | 26.7 | 546 | 6 | US-10-027-632-207801 | Sequence 207801, |
| 26 | 270 | 26.5 | 145 | 3 | US-09-864-761-18277 | Sequence 18277, A |
| 27 | 262.5 | 25.8 | 250000 | 6 | US-10-225-810-26 | Sequence 26, Appl |
| 28 | 254 | 25.0 | 857 | 5 | US-10-027-632-164063 | Sequence 164063, |
| 29 | 254 | 25.0 | 857 | 5 | US-10-027-632-164064 | Sequence 164064, |
| 30 | 254 | 25.0 | 857 | 5 | US-10-027-632-164065 | Sequence 164065, |
| 31 | 254 | 25.0 | 857 | 6 | US-10-027-632-164063 | Sequence 164063, |
| 32 | 254 | 25.0 | 857 | 6 | US-10-027-632-164064 | Sequence 164064, |
| 33 | 254 | 25.0 | 857 | 6 | US-10-027-632-164065 | Sequence 164065, |
| 34 | 250.5 | 24.6 | 468 | 9 | US-10-450-763-710 | Sequence 710, App |
| 35 | 221 | 21.7 | 380 | 3 | US-09-764-891-2290 | Sequence 2290, Ap |
| 36 | 174.5 | 17.1 | 1098 | 9 | US-10-450-763-20108 | Sequence 20108, A |
| 37 | 145 | 14.2 | 593 | 5 | US-10-027-632-277778 | Sequence 277778, |
| 38 | 145 | 14.2 | 593 | 5 | US-10-027-632-277778 | Sequence 277778, |
| 39 | 103 | 10.1 | 4821 | 8 | US-10-425-115-178335 | Sequence 178335, |
| 40 | 98.5 | 9.7 | 819 | 8 | US-10-425-115-112475 | Sequence 112475, |
| 41 | 97.5 | 9.6 | 20966 | 3 | US-09-758-055-7 | Sequence 7, Appli |
| 42 | 97.5 | 9.6 | 20966 | 3 | US-09-758-055-7 | Sequence 7, Appli |
| 43 | 97.5 | 9.6 | 20966 | 3 | US-09-909-547-7 | Sequence 7, Appli |
| 44 | 97.5 | 9.6 | 20966 | 5 | US-10-231-814-7 | Sequence 7, Appli |
| 45 | 97.5 | 9.6 | 20966 | 6 | US-10-376-460-1 | Sequence 1, Appli |

ALIGNMENTS

RESULT 1
US-09-954-531-380
; Sequence 380, Application US/09954531
; Patent No. US20020165180A1
; GENERAL INFORMATION:
; APPLICANT: Weaver, Zoe
; TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using Canc
; FILE REFERENCE: 689290-77
; CURRENT APPLICATION NUMBER: US/09/954.531
; CURRENT FILING DATE: 2002-05-02
; PRIOR APPLICATION NUMBER: US/60/233,133
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: US/60/234,009
; PRIOR FILING DATE: 2000-09-20
; PRIOR APPLICATION NUMBER: US/60/234,034
; PRIOR FILING DATE: 2000-09-20
; PRIOR APPLICATION NUMBER: US/60/234,509
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: US/60/234,567
; PRIOR FILING DATE: 2000-09-22
; NUMBER OF SEQ ID NOS: 1392
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 380
; LENGTH: 2436
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-954-531-380
Alignment Scores: 8.71e-117 Length: 2436
Pred. No.: 2436


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; PRIOR APPLICATION NUMBER: US/09/967,768
; PRIOR FILING DATE: 2001-09-28
; PRIOR APPLICATION NUMBER: US/09/968,007
; PRIOR FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US/09/969,347
; PRIOR FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US/09/969,708
; PRIOR FILING DATE: 2001-10-03
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 8447
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1447
; LENGTH: 2436
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-843-641A-1447

Alignment Scores:
Pred. No.:      8,71e-117      Length:      2436
Score:          1005.00      Matches:      191
Percent Similarity: 99.0%      Conservative: 0
Best Local Similarity: 99.0%      Mismatches: 2
Query Match:      98.7%      Indels:      0
DB:              9          Gaps:      0

US-10-030-937-9 (1-193) x US-10-843-641A-1447 (1-2436)

Qy      1 MetGlnSerLeuMetGlnAlaProLeuLeuLeuAlaLeuGlyLeuLeuAlaThrPro 20
Db      59 ATGCAGTCCCTGATGACGCTCCCTCTCTGATCGCCCTGGGCTTGCTTCTCGGACCCCT 118

Qy      21 AlaGlnAlaHisLeuLysLeuLysProSerGlnLeuSerSerPheSerTrpAspAsnCysPhe 40
Db      119 GCGCAAGCCACCTGAAAGACATCCACGCTCAGTAGCTTTCTCGGATAACTGTGAT 178

Qy      41 GluGlyLysAspProAlaValIleArgSerLeuThrLeuGluProAspProIleValVal 60
Db      179 GAAGGGAAGGACCCCTCGCGGTGATCAGAAGCCCTGACTCTGGAGCCCTGACCCCATCGTCTG 238

Qy      61 ProGlyAsnValThrLeuSerValValGlySerThrSerValProLeuSerSerProLeu 80
Db      239 CTGGAAATGTGACCCCTCAGTGTCTGGGAGCAGCAGTGTCCCTCGAGTCTCTCTG 298

Qy      81 LysValAspLeuValLeuGlyLysGluValAlaGlyLeuTrpIleLysIleProCysThr 100
Db      299 AAGTGGATTAGTTTGGAGAAGAGGTGGCTGCGCTCTGGATCAAGATCCCATGCAC 358

Qy      101 AspTyrIleGlySerCysThrPheGluHisPheCysAspValLeuAspMetLeuIlePro 120
Db      359 GACTACATTGGCAGCTGTACCTTTGAACACTTCTGTGATGTGCTTGACATGTTAATTCCT 418

Qy      121 ThrGlyGluProCysProGluProLeuArgThrTyrGlyLeuProCysHisCysProPhe 140
Db      419 ACTGGGAGCCCTGCGCCAGAGCCCTGGGTACCTATGGGCTTCTCTGGACATGTCCTTC 478

Qy      141 LysGluGlyThrTyrSerLeuProLysSerGluPheAlaValProAspLeuGluLeuPro 160
Db      479 AAAGAAGGAACCTACTCACTGCGCAAGAGCGAATTCTGTGTGCTTGCTGGAGCTGCC 538

Qy      161 SerTrpLeuThrThrGlyAsnTyrArgIleGluSerValLeuSerSerSerGlyLysArg 180
Db      539 AGTTGGCTCACCCCGGAACCTACCGCATAGAGAGCGTCTTGAGCAGCAGTGGGAAGCGT 598

Qy      181 LeuGlyCysIleLysIleAlaAlaSerLeuLysGlyIle 193
Db      599 CTGGGCTGCATCAAGATCGCTGCTCTCTAAAGGGGCATA 637

RESULT 4
US-10-170-385-390
; Sequence 390, Application US/10170385
; Publication No. US20030203372A1
; GENERAL INFORMATION:
; APPLICANT: Ward, Neil Raymond
```

```
; APPLICANT: Mundy, Christopher Robert
; APPLICANT: Kan, On
; APPLICANT: Harris, Robert Alan
; APPLICANT: White, Jonathan
; APPLICANT: Binley, Katie Mary
; APPLICANT: Rayner, William Nigel
; APPLICANT: Naylor, Stuart
; APPLICANT: Kingsman, Susan Mary
; APPLICANT: Krige, David
; TITLE OF INVENTION: ANALYSIS METHOD
; FILE REFERENCE: 532682000100
; CURRENT APPLICATION NUMBER: US/10/170,385
; CURRENT FILING DATE: 2002-06-12
; PRIOR APPLICATION NUMBER: PCT/GB02/01662
; PRIOR FILING DATE: 2002-04-08
; PRIOR APPLICATION NUMBER: PCT/GB01/05458
; PRIOR FILING DATE: 2001-12-10
; NUMBER OF SEQ ID NOS: 549
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 390
; LENGTH: 2478
; TYPE: DNA
; ORGANISM: Homo Sapiens
US-10-170-385-390

Alignment Scores:
Pred. No.:      8,92e-117      Length:      2478
Score:          1005.00      Matches:      191
Percent Similarity: 99.0%      Conservative: 0
Best Local Similarity: 99.0%      Mismatches: 2
Query Match:      98.7%      Indels:      0
DB:              6          Gaps:      0

US-10-030-937-9 (1-193) x US-10-170-385-390 (1-2478)

Qy      1 MetGlnSerLeuMetGlnAlaProLeuLeuLeuAlaLeuGlyLeuLeuAlaThrPro 20
Db      96 ATGCAGTCCCTGATGACGCTCCCTCTCTGATCGCCCTGGGCTTGCTTCTCGGACCCCT 155

Qy      21 AlaGlnAlaHisLeuLysLysProSerGlnLeuSerSerPheSerTrpAspAsnCysPhe 40
Db      156 GCGCAAGCCACCTGAAAGACATCCACGCTCAGTAGCTTTCTCTGGATAACTGTGAT 215

Qy      41 GluGlyLysAspProAlaValIleArgSerLeuThrLeuGluProAspProIleValVal 60
Db      216 GAAGGGAAGGACCCCTGCGGTGATCAGAAGCCTGACTCTGGAGCCTGACCCCATCGTCTG 275

Qy      61 ProGlyAsnValThrLeuSerValValGlySerThrSerValProLeuSerSerProLeu 80
Db      276 CTGGAAATGTGACCCCTCAGTGTCTGGGAGCAGCAGTGTCCCTCGAGTCTCTCTG 335

Qy      81 LysValAspLeuValLeuGlyLysGluValAlaGlyLeuTrpIleLysIleProCysThr 100
Db      336 AAGTGGATTAGTTTGGAGAAGAGGTGGCTGCGCTCTGGATCAAGATCCCATGCAC 395

Qy      101 AspTyrIleGlySerCysThrPheGluHisPheCysAspValLeuAspMetLeuIlePro 120
Db      396 GACTACATTGGCAGCTGTACCTTTGAACACTTCTGTGATGTGCTTGACATGTTAATTCCT 455

Qy      121 ThrGlyGluProCysProGluProLeuArgThrTyrGlyLeuProCysHisCysProPhe 140
Db      456 ACTGGGAGCCCTGCGCCAGAGCCCTGCGTACCTATGGGCTTCTCTGGACATGTCCTTC 515

Qy      141 LysGluGlyThrTyrSerLeuProLysSerGluPheAlaValProAspLeuGluLeuPro 160
Db      516 AAAGAAGGAACCTACTCACTGCGCAAGAGCGAATTCTGTGTGCTTGCTTGACATGTCCTTC 575

Qy      161 SerTrpLeuThrThrGlyAsnTyrArgIleGluSerValLeuSerSerSerGlyLysArg 180
Db      576 AGTTGGCTCACCCCGGAACCTACCGCATAGAGAGCGTCTTGAGCAGCAGTGGGAAGCGT 635

Qy      181 LeuGlyCysIleLysIleAlaAlaSerLeuLysGlyIle 193
Db      |||||
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Qy 141 LysGluGlyThrThrSerLeuProLysSerGluPheAlaValProAspLeuGluLeuPro 160
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Qy 181 LeuGlyCysIleLysIleAlaAlaSerLeuLysGlyIle 193
Db 631 CTGGGCTGCATCAAGATCGCTCTCTCTAAAGGGCATA 669

RESULT 7

US-09-971-392-102
; Sequence 102, Application US/09971392
; Publication No. US20030134283A1
; GENERAL INFORMATION:
; APPLICANT: Peterson, David P.
; APPLICANT: Cocks, Benjamin G.
; TITLE OF INVENTION: GENES REGULATED IN DENDRITIC CELL DIFFERENTIATION
; FILE REFERENCE: PA-0029 US
; CURRENT APPLICATION NUMBER: US/09/971,392
; CURRENT FILING DATE: 2001-10-03
; PRIOR APPLICATION NUMBER: 60/237,652
; PRIOR FILING DATE: 2000-10-03
; NUMBER OF SEQ ID NOS: 260
; SOFTWARE: PERL Program
; SEQ ID NO 102
; LENGTH: 1935
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Template ID: 977615.8
US-09-971-392-102

Alignment Scores:
Pred. No.: 2.71e-116 Length: 1935
Score: 1000.00 Matches: 190
Percent Similarity: 98.4% Conservative: 0
Best Local Similarity: 98.4% Mismatches: 3
Query Match: 98.2% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-971-392-102 (1-1935)

Qy 1 MetGlnSerLeuMetGlnAlaProLeuLeuIleAlaLeuGlyLeuLeuAlaThrPro 20
Db 102 ATGCAGTCCCTGATGACGGCTCCCTCTCTGATCGCCCTGGGCTTGTCTTCGGGCCCCCT 161
Qy 21 AlaGlnAlaHisLeuLysLysProSerGlnLeuSerSerPheSerTrpAspAsnCysPhe 40
Db 162 GCGCAGAGCCACCTGAAAGAGCCATCCAGCTCAGTACGTCTTCTCGGATACGTGTAT 221
Qy 41 GluGlyLysAspProAlaValIleArgSerLeuThrLeuGluProAspProIleValVal 60
Db 222 GAAGGAGGAGCCCTCGCGTGTATCAGAGCTGACTCTGGAGCTGACCCCATCGTCTGT 281
Qy 61 ProGlyAsnValThrLeuSerValValGlySerThrSerValProLeuSerSerProLeu 80
Db 282 CCTGGAATGTGACCCCTCAGTGTCTGTGGGAGCAGCAGTGTCCCTCGTCTCTCTG 341
Qy 81 LysValAspLeuValLeuGluLysGluValAlaGlyLeuTrpIleLysIleProCysThr 100
Db 342 AAGTGGATTTAGTTTGGAGAGAGAGGTGGCTGGCTCTGATCAAGATCCATGCACA 401
Qy 101 AspTyrIleGlySerCysThrPheGluHisPheCysAspValLeuAspMetLeuIlePro 120
Db 402 GACTACATTGGCAGCTGTACCTTTGAACACTTCTGTGTGTGTGTGACATGTTAATTCCT 461
Qy 121 ThrGlyGluProCysProGluProLeuArgThrTyrGlyLeuProCysHisCysProPhe 140

Db 462 ACTGGGAGCCCTGCCAGAGCCCTGCTGCTATATGGGCTTCTTGGCACTGTCCCTTC 521
Qy 141 LysGluGlyThrThrSerLeuProLysSerGluPheAlaValProAspLeuGluLeuPro 160
Db 522 AAAGAAGGAACCTACTCTACCTCCCAAGAGCGAATTCGTGTGCTTACCTCGAGCTGCC 581
Qy 161 SerTrpLeuThrThrGlyAsnTyrArgIleGluSerValLeuSerSerSerGlyLysArg 180
Db 582 AGTTGGCTCACCAACCGGAACTACCGCATAGAGCGTCTCTAAAGGGCATA 641
Qy 181 LeuGlyCysIleLysIleAlaAlaSerLeuLysGlyIle 193
Db 642 CTGGGCTGCATCAAGATCGCTCTCTCTAAAGGGCATA 680

RESULT 8

US-09-822-849A-53
; Sequence 53, Application US/09822849A
; Patent No. US20020045170A1
; GENERAL INFORMATION:
; APPLICANT: Wong, Gordon G.
; APPLICANT: Clark, Hilary
; APPLICANT: Fechtel, Kim
; APPLICANT: Agostino, Michael J.
; APPLICANT: Howes, Steven H.
; APPLICANT: Resnick, Richard J.
; APPLICANT: Gulukota, Kamalakar
; APPLICANT: Graham, James R.
; APPLICANT: Genetics Institute, Inc.
; TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING NOVEL SECRETED PROTEINS
; FILE REFERENCE: GIN 6403
; CURRENT APPLICATION NUMBER: US/09/822,849A
; CURRENT FILING DATE: 2001-09-04
; PRIOR APPLICATION NUMBER: 60/195,582
; PRIOR FILING DATE: 2000-04-06
; NUMBER OF SEQ ID NOS: 598
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 53
; LENGTH: 2384
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-822-849A-53

Alignment Scores:
Pred. No.: 3.66e-116 Length: 2384
Score: 1000.00 Matches: 190
Percent Similarity: 98.4% Conservative: 0
Best Local Similarity: 98.4% Mismatches: 3
Query Match: 98.2% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-822-849A-53 (1-2384)

Qy 1 MetGlnSerLeuMetGlnAlaProLeuLeuIleAlaLeuGlyLeuLeuAlaThrPro 20
Db 13 ATGCAGTCCCTGATGACGGCTCCCTCTCTGATCGCCCTGGGCTTGTCTTCGGGCCCCCT 72
Qy 21 AlaGlnAlaHisLeuLysLysProSerGlnLeuSerSerPheSerTrpAspAsnCysPhe 40
Db 73 GCGCAGAGCCACCTGAAAGAGCCATCCAGCTCAGTACGTCTTCTCGGATACGTGTAT 132
Qy 41 GluGlyLysAspProAlaValIleArgSerLeuThrLeuGluProAspProIleValVal 60
Db 133 GAAGGAGGAGCCCTCGCGTGTATCAGAGCTGACTCTGGAGCTGACCCCATCGTCTGT 192
Qy 61 ProGlyAsnValThrLeuSerValValGlySerThrSerValProLeuSerSerProLeu 80
Db 193 CTGGAATGTGACCCCTCAGTGTCTGTGGGAGCAGCAGTGTCCCTCGATTCCTCTCTG 252
Qy 81 LysValAspLeuValLeuGluLysGluValAlaGlyLeuTrpIleLysIleProCysThr 100
Db 253 AAGTGGATTTAGTTTGGAGAGAGAGGTGGCTGGCTCTGATCAAGATCCATGCACA 312
Qy 101 AspTyrIleGlySerCysThrPheGluHisPheCysAspValLeuAspMetLeuIlePro 120

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Db 313 GACTACATTGGCAGCTACTTTGAACACTTCTGTGATGTGCTTGACATGTTAAATTCCT 372
Qy 121 ThrGlyGluProCysProGluProLeuArgThrTyrGlyLeuProCysHisCysProPhe 140
Db 373 ACTGGGAGGCGCTGCCAGAGCCCTCGGTACCTATGGGCTTCTTCCCACTGTCCCTTC 432
Qy 141 LysGluGlyThrTyrSerLeuProLysSerGluPheAlaValProAspLeuGluLeuPro 160
Db 433 AAAGAAGAACTACTCACTGCCCAAGAGCGAATTCGTTGTGCTGACCTGGAGCTGCC 492
Qy 161 SerTrpLeuThrThrGlyAsnTyrArgIleGluSerValLeuSerSerSerGlyLysArg 180
Db 493 AGTTGGCTCACCCAGGAACTACCGCATAGAGCGTCTCTGAGCAGCAGTGGGAAGCGT 552
Qy 181 LeuGlyCysIleLysIleAlaAlaSerLeuLysGlyIle 193
Db 553 CTGGGCTGCATCAAGATCGCTGCCTCTCTAAAGGGCATA 591

RESULT 9
US-10-450-763-711
; Sequence 711, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 711
; LENGTH: 2471
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SIMILAR
; LOCATION: (93)..(671)
; OTHER INFORMATION: 100% homologous to Homo sapiens G-M2 activator
; OTHER INFORMATION: protein, accession number M76477, Smith-Waterman Score=1017.
US-10-450-763-711
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Alignment Scores:
Pred. No.: 3.85e-116 Length: 2471
Score: 1000.00 Matches: 190
Percent Similarity: 98.4% Conservative: 0
Best Local Similarity: 98.4% Mismatches: 3
Query Match: 98.2% Indels: 0
DB: 9 Gaps: 0
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US-10-030-937-9 (1-193) x US-10-450-763-711 (1-2471)

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Qy 1 MetGlnSerLeuMetGlnAlaProLeuLeuIleAlaLeuGlyLeuLeuLeuAlaThrPro 20
Db 93 ATGCAGTCCCTGTATGTCAGGCTCCCTCTCTATGCCCTCGGCTTGTCTCGCGGCCCT 152
Qy 21 AlaGlnAlaHisLeuLysLysProSerGlnLeuSerSerPheSerTrpAspAsnCysPhe 40
Db 153 GCGCAAGCCACCTGAAAGCCATCCAGCTCAGTAGCTTTTCTGGGATACTGTGAT 212
Qy 41 GluGlyLysAspProAlaValIleArgSerLeuThrLeuGluProAspProIleValVal 60
Db 213 GAAGGGAAGGACCTCGCGGTGATCAGAAGCCTGACTCTGGAGCCTGACCCCATCGTCTG 272
Qy 61 ProGlyAsnValThrLeuSerValValIleGlySerThrSerValProLeuSerSerProLeu 80
Db 273 CCTGGAATGTGACCCCTCAGTGTCTGGGAGCAGCAGTGTGCCCTTCCTCTG 332
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Qy 81 LysValAspLeuValLeuGluLysGluValAlaGlyLeuTrpIleLysIleProCysThr 100
Db 333 AAGGTGATTTAGTTTTGGAGAAAGGAGTGGCTGGCTCAAGATCAAGATCCCATGCACA 392
Qy 101 AspTyrIleGlySerCysThrPheGluHisPheCysAspValLeuAspMetLeuIlePro 120
Db 393 GACTACATTGGCAGCTGTACCTTTTGAACACTTCTGTGATGTGCTTGACATGTTAAATTCCT 452
Qy 121 ThrGlyGluProCysProGluProLeuArgThrTyrGlyLeuProCysHisCysProPhe 140
Db 453 ACTGGGAGGCGCTGCCAGAGCCCTCGTACCTATGGGCTTCTTCCCACTGTCCCTTC 512
Qy 141 LysGluGlyThrTyrSerLeuProLysSerGluPheAlaValProAspLeuGluLeuPro 160
Db 513 AAAGAAGAACTACTCACTGCCCAAGAGCGAATTCGTTGTGCTGACCTGGAGCTGCC 572
Qy 161 SerTrpLeuThrThrGlyAsnTyrArgIleGluSerValLeuSerSerSerGlyLysArg 180
Db 573 AGTTGGCTCACCCAGGAACTACCGCATAGAGCGTCTCTGAGCAGCAGTGGGAAGCGT 632
Qy 181 LeuGlyCysIleLysIleAlaAlaSerLeuLysGlyIle 193
Db 633 CTGGGCTGCATCAAGATCGCTGCCTCTCTAAAGGGCATA 671
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RESULT 10

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US-10-723-860-5187
; Sequence 5187, Application US/10723860
; Publication No. US20040253606A1
; GENERAL INFORMATION:
; APPLICANT: Aziz, Natasha
; APPLICANT: Ginsburg, Wendy M.
; APPLICANT: Zlotnik, Albert
; TITLE OF INVENTION: Methods of Diagnosis of Soft Tissue Sarcoma, Compositions &
; TITLE OF INVENTION: Methods for Screening for Soft Tissue Sarcoma Modulators
; FILE REFERENCE: 05882.0193.NPUS01
; CURRENT APPLICATION NUMBER: US/10/723,860
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: 60/429,739
; PRIOR FILING DATE: 2002-11-26
; NUMBER OF SEQ ID NOS: 8393
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 5187
; LENGTH: 3988
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (2864)..(2894)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (3472)..(3486)
; OTHER INFORMATION: n is a, c, g, or t
US-10-723-860-5187
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Alignment Scores:

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Pred. No.: 7.66e-116 Length: 3988
Score: 1000.00 Matches: 190
Percent Similarity: 98.4% Conservative: 0
Best Local Similarity: 98.4% Mismatches: 3
Query Match: 98.2% Indels: 0
DB: 8 Gaps: 0
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US-10-030-937-9 (1-193) x US-10-723-860-5187 (1-3988)

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Qy 1 MetGlnSerLeuMetGlnAlaProLeuLeuIleAlaLeuGlyLeuLeuLeuAlaThrPro 20
Db 96 ATGCAGTCCCTGTATGTCAGGCTCCCTCTCTATGCCCTCGGCTTGTCTTCGCGGCCCT 155
Qy 21 AlaGlnAlaHisLeuLysLysProSerGlnLeuSerSerPheSerTrpAspAsnCysPhe 40
Db 156 GCGCAAGCCACCTGAAAGCCATCCAGCTCAGTAGCTTTTCTGGGATACTGTGAT 215
```


Qy 43 LysAspProAlaValIleArgSerLeuThrLeuGluProAspProIleValValProGly 62
 Db 2 AAGGACCCTGGGTGATCAGAAGCCTGACTCTGGAGCCTGACCCCATCGTCTCTTGGGA 61
 Qy 63 AsnValThrLeuSerValValGlySerThrSerValProLeuSerSerProLeuLysVal 82
 Db 62 AATGTGACCTCAGTGTGGGAGCAGCACCAGTGTCCCTGAGTTCTCTCTGAAAGTG 121
 Qy 83 AspLeuValLeuGluLysGluValAlaGlyLeuTrpIleLysIleProCysThrAspTyr 102
 Db 122 GATTTAGTTTGGAGAAGGAGTGGCTGGCTCTGGATCAAGATCCCATGACAGACTAC 181
 Qy 103 IleGlySerCysThrPheGluHisPheCysAspValLeuAspMetLeuIleProThrGly 122
 Db 182 ATTGGCAGCTGTACCTTTGAACACTTCTGTGATGTGCTTGACATGTTAATCTCTACTGGG 241
 Qy 123 GluProCysProGluProLeuArgThrTyrGlyLeuProCysHisCysPheProLysGlu 142
 Db 242 GAGCCCTGCCAGAGCCCTGCGTACCTATGGGCTTCCCTGGCCACTGTCCCTTCAAGAA 301

RESULT 13
 ; Sequence 436, Application US/10264049
 ; Publication No. US20040005579A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Birse et al.
 ; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
 ; FILE REFERENCE: P4133P1
 ; CURRENT APPLICATION NUMBER: US/10/264,049
 ; CURRENT FILING DATE: 2002-10-04
 ; PRIOR APPLICATION NUMBER: PCT/US01/18569
 ; PRIOR FILING DATE: 2001-06-07
 ; PRIOR APPLICATION NUMBER: US 60/209,467
 ; PRIOR FILING DATE: 2000-06-07
 ; NUMBER OF SEQ ID NOS: 4360
 ; SOFTWARE: PatentIn Ver. 3.1
 ; SEQ ID NO 436
 ; LENGTH: 577
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: misc feature
 ; LOCATION: (536)..(536)
 ; OTHER INFORMATION: n equals a,t,g, or c
 ; FEATURE:
 ; NAME/KEY: misc feature
 ; LOCATION: (552)..(552)
 ; OTHER INFORMATION: n equals a,t,g, or c
 ; FEATURE:
 ; NAME/KEY: misc feature
 ; LOCATION: (561)..(561)
 ; OTHER INFORMATION: n equals a,t,g, or c
 US-10-264-049-436

Alignment Scores:
 Pred. No.: 1.16e-43 Length: 577
 Score: 424.00 Matches: 96
 Percent Similarity: 67.6% Conservative: 25
 Best Local Similarity: 53.6% Mismatches: 48
 Query Match: 41.7% Indels: 14
 DB: 6 Gaps: 3

US-10-030-937-9 (1-193) x US-10-264-049-436 (1-577)

Qy 1 MetGlnSerLeuMetGlnAlaProLeuLeuIleAlaLeuGlyLeuLeuAla----- 18
 Db 37 ATGATGTGAAGATGCAAGGCTCCTTCTGATGCG-CTTGGGCTGCTTCTGCGCGCCCT 95
 Qy 19 -----ThrProAlaGlnAlaHisLeuLysLysProSerGlnLeuSerSer 33
 Db 96 GCGGCCACGACACAGTGTCCCGCCGACCGCCGCGTGAACCGCCGCCAGGTAATTAGC 155
 Qy 34 PheSerTrpAspAenCysPheGluGlyLysAspProAlaValIleArgSerLeuThrLeu 53

Db 156 TTTTCTGGGAGAACTGCCATGAAAGAGGACCCCTGTGCTGCTCAAAAGCATGACTCTG 215
 Qy 54 GluProAspProIleValValProGlyAsnValThrLeuSerValValGlySerThrSer 73
 Db 216 GAACCTGACCCCATTCGCTATCTCTGGGAATGTGACTATCAGCGCCGAGCTCCAGGTCCGT 275
 Qy 74 ValProLeuSerSerProLeuLysValAspLeuValLeuGluLysGluValAlaGlyLeu 93
 Db 276 GTCCCTCAGCAGTCTCTCAGAGGTGGAATTAATTATAGAGAAGAAAGTGGCCAAATTC 335
 Qy 94 TrpIleLysIleProCysThrAspTyrIleGlySerCysThrPheGluHisPheCysAsp 113
 Db 336 TCGATCAAAAGTTCATGTATGAGCCATGTT---CGTTGCATCTTTGAAGACATVTGCCAA 392
 Qy 114 ValLeuAspMetLeuIleProThrGlyGluProCysProGluProLeuArgThrTyrGly 133
 Db 393 ATATTAGACTTTTAATCCCTCCCTGGACAGCCTGSCCAGAGCCCTTGCATACCTATGGG 452
 Qy 134 LeuProCysHisCysPheProLysGluGlyThrTyrSerLeuProLys---SerGluPhe 152
 Db 453 CTTCCCTGCAC-TGTSCCTCAAGCA-GGCACCTACTCAATGCCAAAGACTCAAGTTAC 510
 Qy 153 AlaValProAspLeuGluLeuProSerTrpLeuThrThr-GlyAsnTyrArglle 170
 Db 511 CC-TGCCCAAACACGGACCTGCCCGGNTTGATCACCTCCGGGNTCTTACCGNATT 564

RESULT 14

US-10-972-079-7219
 ; Sequence 7219, Application US/10972079
 ; Publication No. US2005015317A1
 ; GENERAL INFORMATION:
 ; APPLICANT: MMI GENOMICS, INC.
 ; APPLICANT: DENISE Sue K.
 ; APPLICANT: ROSENFELD, David
 ; APPLICANT: KERR, Richard
 ; APPLICANT: BATES, Stephen
 ; APPLICANT: HOLM, Tom
 ; TITLE OF INVENTION: METHODS & SYSTEMS FOR INFERRING TRAITS TO BREED & MANAGE NON-BEEF
 ; TITLE OF INVENTION: LIVESTOCK
 ; FILE REFERENCE: MM1110-2
 ; CURRENT APPLICATION NUMBER: US/10/972,079
 ; CURRENT FILING DATE: 2004-10-22
 ; PRIOR APPLICATION NUMBER: US 60/514,333
 ; PRIOR FILING DATE: 2003-10-24
 ; NUMBER OF SEQ ID NOS: 96631
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 7219
 ; LENGTH: 596
 ; TYPE: DNA
 ; ORGANISM: Chicken 19866894191999_2
 ; FEATURE:
 ; NAME/KEY: misc feature
 ; LOCATION: (1)..(32)
 ; OTHER INFORMATION: n is any nucleotide
 US-10-972-079-7219

Alignment Scores:
 Pred. No.: 1.91e-36 Length: 596
 Score: 367.50 Matches: 70
 Percent Similarity: 62.8% Conservative: 23
 Best Local Similarity: 47.3% Mismatches: 30
 Query Match: 36.1% Indels: 26
 DB: 9 Gaps: 2

US-10-030-937-9 (1-193) x US-10-972-079-7219 (1-596)

Qy 69 ValGlySerThrSerValProLeuSerSerPro---LeuLysValAspLeuValLeuGlu 87
 Db 51 GTCGGAGGGGAGCGGTGGGTGCTCAGTGTCTTCTTACAGGGCGGTGCTGGTGGAG 110
 Qy 88 LysGluValAlaGlyLeuTrpIleLysIleProCysThrAspTyrIleGlySerCysThr 107

| | | |
|-----|---|-----|
| 111 | AAGGCTTTGGGTGACCTCTGGATCCAGCTGCCCTCGATCGACGAGTGGGCGAGCTGCACC | 170 |
| 108 | PheGluHisPheCysAspValLeuAspMetLeuIleProThrGlyGluProCysProGlu | 127 |
| 171 | TATGATGATGTGTGCAACATCTCGACAACCTCATCCACCCGGCACRCCCTGCCCGGAG | 230 |
| 128 | ProLeuArgThrTyrGlyLeuProCysHisCysProPheLysGluGlyThr | 144 |
| 231 | CCGCTGTCTCACCTACGGCATCCCTGCCACTGCCCTTCAAGGC-GGTACGTCCCAACAC | 289 |
| 144 | ----- | 144 |
| 290 | CGGCTGCCCTTGGTGCTGTGGGGTGGGTGGTGTCACGACGCCCTCTCTCTGCAGGGC | 349 |
| 145 | ---TyrSerLeuProLysSerGluPheAlaValProAspLeuGluLeuProSerTrpLeu | 163 |
| 350 | TCCTTACTCACTGCCCGCAGCGACTTCGCCCTGCCGACGTGCAGTGGCTCTCTGGATG | 409 |
| 164 | ThrThrGlyAsnTyrArgIleGluSerValLeuSerSerSerGlyLysArgLeuGlyCys | 183 |
| 410 | ACCAAGGGCAACTACCGTGTGCGAGTGGTTCGTGCAGCAACAAAGGGGCAGGAGCTCGCCTGC | 469 |
| 184 | IleLysIleAlaAlaSerLeuLys | 191 |
| 470 | GTCAAGCTGGGGCTTCTCCTTGCAG | 493 |

RESULT 15

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US-10-972-079-7218
; Sequence 7218, Application US/10972079
; Publication No. US2005015337A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: ROSENFELD, David
; APPLICANT: KERR, Richard
; APPLICANT: BATES, Stephen
; APPLICANT: HOLM, Tom
; TITLE OF INVENTION: METHODS & SYSTEMS FOR INFERRING TRAITS TO BREED & MANAGE NON-BEER-
; TITLE OF INVENTION: LIVESTOCK
; FILE REFERENCE: MM1110-2
; CURRENT APPLICATION NUMBER: US/10/972,079
; CURRENT FILING DATE: 2004-10-22
; PRIOR APPLICATION NUMBER: US 60/514,333
; PRIOR FILING DATE: 2003-10-24
; NUMBER OF SEQ ID NOS: 96631
; SOFTWARE: PatentIN version 3.1
; SEQ ID NO 7218
; LENGTH: 599
; TYPE: DNA
; ORGANISM: Chicken 19866894191999_1
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(114)
; OTHER INFORMATION: n is any nucleotide
US-10-972-079-7218

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Alignment Scores:

| | | | |
|------------------------|----------|---------------|-----|
| Pred. No.: | 1.92e-36 | Length: | 599 |
| Score: | 367.50 | Matches: | 70 |
| Percent Similarity: | 62.8% | Conservative: | 23 |
| Best Local Similarity: | 47.3% | Mismatches: | 30 |
| Query Match: | 36.1% | Indels: | 26 |
| DB: | 9 | Gaps: | 2 |

US-10-030-937-9 (1-193) x US-10-972-079-7218 (1-599)

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GenCore version 5.1.7
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Run on: February 16, 2006, 13:19:45 ; Search time 2834.1 Seconds
(without alignments)
144.557 Million cell updates/sec

Title: US-10-030-937-9

Perfect score: 1018

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Ygapop 10.0, Ygapext 0.5
Fgapop 6.0, Fgapext 7.0
Delop 6.0, Delext 7.0

Searched: 7204252 seqs, 1061369211 residues

Total number of hits satisfying chosen parameters: 14408504

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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-MAXLEN=2000000000 -HOST=abs06p
-USER=US10030937 @CEN 1.1 823 @runat 15022006 055709 6167 -NCPU=6 -ICPU=3
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-WARN TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5 -FGAPOP=6 -FGAPEXT=7
-YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database : Published Applications NA New:

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- 2: /cgm2_6/ptodata/1/pubpna/us06 NEW PUB.seq.*
- 3: /cgm2_6/ptodata/1/pubpna/us07 NEW PUB.seq.*
- 4: /cgm2_6/ptodata/1/pubpna/pct NEW PUB.seq.*
- 5: /cgm2_6/ptodata/1/pubpna/us09 NEW PUB.seq.*
- 6: /cgm2_6/ptodata/1/pubpna/us09 NEW PUB.seq.*
- 7: /cgm2_6/ptodata/1/pubpna/us10 NEW PUB.seq.*
- 8: /cgm2_6/ptodata/1/pubpna/us10 NEW PUB.seq.*
- 9: /cgm2_6/ptodata/1/pubpna/us11 NEW PUB.seq.*
- 10: /cgm2_6/ptodata/1/pubpna/us11 NEW PUB.seq.*
- 11: /cgm2_6/ptodata/1/pubpna/us11 NEW PUB.seq.*
- 12: /cgm2_6/ptodata/1/pubpna/us11 NEW PUB.seq.*
- 13: /cgm2_6/ptodata/1/pubpna/us60 NEW PUB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Length | ID | Description |
|------------|-------|--------------|------|---------------------------------------|
| 1 | 1005 | 98.7 | 2471 | US-10-821-234-310 Sequence 310, App |
| 2 | 93.5 | 9.2 | 1910 | US-11-136-527-1918 Sequence 1918, App |
| 3 | 89 | 8.7 | 1294 | US-10-750-185-28528 Sequence 28528, A |
| 4 | 89 | 8.7 | 1294 | US-10-750-623-28528 Sequence 28528, A |

| | | | | | | |
|------|------|-----|---------|----|-----------------------|----------------------|
| C 5 | 89 | 8.7 | 3497 | 12 | US-11-000-688-1085 | Sequence 1085, Ap |
| C 6 | 88.5 | 8.7 | 2537 | 6 | US-09-925-085A-722827 | Sequence 722827, App |
| C 7 | 88.5 | 8.7 | 9858 | 7 | US-10-893-483-185 | Sequence 185, App |
| C 8 | 88.5 | 8.7 | 36259 | 7 | US-10-893-483-186 | Sequence 186, App |
| C 9 | 86.5 | 8.5 | 609 | 6 | US-09-925-065A-141896 | Sequence 141896, App |
| C 10 | 86.5 | 8.5 | 1251 | 12 | US-11-098-686-9363 | Sequence 9363, Ap |
| C 11 | 86.5 | 8.5 | 3114 | 8 | US-10-750-185-43441 | Sequence 43441, A |
| C 12 | 86.5 | 8.5 | 3114 | 8 | US-10-750-623-43441 | Sequence 43441, A |
| C 13 | 86.5 | 8.5 | 13667 | 12 | US-11-128-061-1065 | Sequence 1065, Ap |
| C 14 | 86.5 | 8.5 | 13667 | 12 | US-11-128-049-1065 | Sequence 1065, Ap |
| C 15 | 86.5 | 8.5 | 1457619 | 12 | US-11-098-686-8739 | Sequence 8739, Ap |
| C 16 | 86 | 8.4 | 663 | 6 | US-09-925-065A-546047 | Sequence 546047, App |
| C 17 | 85 | 8.3 | 729 | 6 | US-09-925-065A-933573 | Sequence 933573, App |
| C 18 | 84.5 | 8.3 | 8165 | 12 | US-11-166-393-143 | Sequence 143, App |
| C 19 | 84 | 8.3 | 1525 | 8 | US-10-750-185-41707 | Sequence 41707, A |
| C 20 | 84 | 8.3 | 1525 | 8 | US-10-750-623-41707 | Sequence 41707, A |
| C 21 | 84 | 8.3 | 3731 | 8 | US-10-750-185-28671 | Sequence 28671, A |
| C 22 | 84 | 8.3 | 3731 | 8 | US-10-750-623-28671 | Sequence 28671, A |
| C 23 | 83.5 | 8.2 | 491 | 6 | US-09-925-065A-562090 | Sequence 562090, App |
| C 24 | 83.5 | 8.2 | 499 | 6 | US-09-925-065A-562089 | Sequence 562089, App |
| C 25 | 83.5 | 8.2 | 3510 | 8 | US-10-995-561-281 | Sequence 281, App |
| C 26 | 83.5 | 8.2 | 15510 | 8 | US-10-995-561-13281 | Sequence 13281, A |
| C 27 | 83.5 | 8.2 | 29968 | 8 | US-10-995-561-13248 | Sequence 13248, A |
| C 28 | 83.5 | 8.2 | 28933 | 8 | US-10-995-561-13285 | Sequence 13285, A |
| C 29 | 83.5 | 8.2 | 153376 | 12 | US-11-121-086-5 | Sequence 5, Appli |
| C 30 | 83 | 8.2 | 557 | 6 | US-09-925-065A-128884 | Sequence 128884, App |
| C 31 | 83 | 8.2 | 663 | 6 | US-09-925-065A-758647 | Sequence 758647, App |
| C 32 | 83 | 8.2 | 814 | 6 | US-09-925-065A-78405 | Sequence 78405, A |
| C 33 | 82.5 | 8.1 | 1225 | 8 | US-10-750-185-31912 | Sequence 31912, A |
| C 34 | 82.5 | 8.1 | 1225 | 8 | US-10-750-623-31912 | Sequence 31912, A |
| C 35 | 82.5 | 8.1 | 1549 | 6 | US-09-925-065A-72837 | Sequence 72837, A |
| C 36 | 82.5 | 8.1 | 4050 | 9 | US-11-245-147-113 | Sequence 113, App |
| C 37 | 82.5 | 8.1 | 4371 | 8 | US-10-995-561-29 | Sequence 29, Appli |
| C 38 | 82.5 | 8.1 | 12968 | 8 | US-10-995-561-13403 | Sequence 13403, A |
| C 39 | 82.5 | 8.1 | 16371 | 8 | US-10-995-561-13209 | Sequence 13209, A |
| C 40 | 82.5 | 8.1 | 13973 | 8 | US-10-995-561-13229 | Sequence 13229, A |
| C 41 | 82.5 | 8.1 | 86131 | 8 | US-10-995-561-13298 | Sequence 13298, A |
| C 42 | 82 | 8.1 | 465 | 6 | US-09-925-065A-208188 | Sequence 208188, App |
| C 43 | 82 | 8.1 | 488 | 6 | US-09-925-065A-208187 | Sequence 208187, App |
| C 44 | 82 | 8.1 | 488 | 6 | US-09-925-065A-208189 | Sequence 208189, App |
| C 45 | 82 | 8.1 | 503 | 6 | US-09-925-065A-158057 | Sequence 158057, App |

ALIGNMENTS

RESULT 1
US-10-821-234-310
; Sequence 310, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821.234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pt_seq_genes Version 1.0
; SEQ ID NO 310
; LENGTH: 2471
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-821-234-310

Alignment Scores:
Pred. No.: 3.77e-84 Length: 2471
Score: 1005.00 Matches: 191
Percent Similarity: 99.0% Conservativity: 0
Best Local Similarity: 99.0% Mismatches: 2

Db 891 TGCATGACAGCAGGAGTCTTACTATTAGCCACCTATGCTTCATCCT----- 841
 Qy 59 ValValProGlyAsnValThrLeuSerValValGlySerThrSerValProLeuSerSer 78
 Db 840 -----TCTACAAAAGTG---CTTAAGAGT 820
 Qy 79 ProLeuLyAspLeuValLeuGluLysGluValAla-GlyLeuTrpIleLys----- 96
 Db 819 CCT-----GTCATTAAAGGTCCATAATGAGGAGTCATTGTAAGCCCTG 775
 Qy 97 -IleProCys---ThrAspTyrIleGlySerCysThrPheGluHisPhe----- 111
 Db 774 AATGCTGCCACACCCATTTCTTTGGCTCATGTCTGTCATAGTTCTTTGTTCCAG 715
 Qy 112 -----CysAspValLeuAspMetLeuLeuProThrGlyGluPr 124
 Db 714 ACATTACAGAACGAATGTGAATGTGATGATTAATCATTTCTTAAGACTCGGAAG-- 657
 Qy 124 oCysProGluProLeu-----ArgThrTyr-G 133
 Db 656 -TGTCCTAGAGAAACGGGAGCCAACTGTGTACAGTTCAATGGTCTGGAGAACATATTG 598
 Qy 133 LyLeuProCysHisCysProPheLysGluGlyThrTyrSerLeuPro-----L 149
 Db 597 GG-----TGTCACCTGCTCTTCCCTTCTGTCTCTCCACTTGTCAATTTCTAGGTATCA 544
 Qy 149 ysSerGluPheAlaValProAspLeuGluLeuProSerTrpLeuThrThrGlyAsnTyrA 169
 Db 543 AGACAGAGTACAGCCAGTAAATGTAGATGTTTGTTCAAAGTCTCAGTGTCTCACAGTACC 484
 Qy 169 rgIle 170
 Db 483 GCTTG 479

RESULT 4

US-10-750-623-28528/c
 ; Sequence 28528, Application US/10750623
 ; Publication No. US20050287531A1
 ; GENERAL INFORMATION:
 ; APPLICANT: MMI GENOMICS, INC.
 ; APPLICANT: DENISE, Sue K.
 ; APPLICANT: KERR, Richard
 ; APPLICANT: ROSENFELD, David
 ; APPLICANT: HOLM, Tom
 ; APPLICANT: BATES, Stephen
 ; APPLICANT: FANTIN, Dennis
 ; TITLE OF INVENTION: METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS
 ; FILE REFERENCE: MM1100-1
 ; CURRENT APPLICATION NUMBER: US/10/750,623
 ; CURRENT FILING DATE: 2003-12-31
 ; PRIOR APPLICATION NUMBER: US 60/437,482
 ; PRIOR FILING DATE: 2002-12-31
 ; NUMBER OF SEQ ID NOS: 64922
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 28528
 ; LENGTH: 1294
 ; TYPE: DNA
 ; ORGANISM: Bovine 19866880904152
 US-10-750-623-28528

Alignment Scores:

Pred. No.: 107 Length: 1294
 Score: 89.00 Matches: 50
 Percent Similarity: 39.4% Conservative: 30
 Best Local Similarity: 24.6% Mismatches: 59
 Query Match: 8.7% Indels: 64
 DB: 8 Gaps: 12

US-10-030-937-9 (1-193) x US-10-750-623-28528 (1-1294)

Qy 6 GlnAlaProLeuLeuIleAlaLeuGlyLeuLeu-----LeuAla 18
 Db 1005 CAGGCTCTCTG-----TCCATGGGATTTCTTAGGCAAGAACTAGTGAATGGGTGCC 952

Qy 19 ThrProAlaGlnAlaHisLeuLysLysProSerGlnLeuSerSerPheSerTrpAspAen 38
 Db 951 ATTCCCTCTCCAGGGGATCTTCTGACCTCGGATAGAACCTGCATCTCTTACATCTCC 892
 Qy 39 CysPheGluGlyLysAspProAlaValIleArgSerLeuThrLeuGluProAspProIle 58
 Db 891 TGCATGACAGCAGGAGTATTTACTATTAGCCACCTATGCTTCATCCT----- 841
 Qy 59 ValValProGlyAsnValThrLeuSerValValGlySerThrSerValProLeuSerSer 78
 Db 840 -----TCTACAAAAGTG---CTTAAGAGT 820
 Qy 79 ProLeuLysValAspLeuValLeuGluLysGluValAla-GlyLeuTrpIleLys----- 96
 Db 819 CCT-----GTCATTAAAGGTCCATAATGAGGAGTCATTGTAAGCCCTG 775
 Qy 97 -IleProCys---ThrAspTyrIleGlySerCysThrPheGluHisPhe----- 111
 Db 774 AATGCTGCCACACCCATTTCTTTGGCTCATGTCTGTCTCATAGTTCTTTGTTCCAG 715
 Qy 112 -----CysAspValLeuAspMetLeuLeuProThrGlyGluPr 124
 Db 714 ACATTACAGAACGAATGTGAATGTGATGATTAATCATTTCTTAAGACTCGGAAG-- 657
 Qy 124 oCysProGluProLeu-----ArgThrTyr-G 133
 Db 656 -TGTCCTAGAGAAACGGGAGCCAACTGTGTACAGTTCAATGGTCTGGAGAACATATTG 598
 Qy 133 LyLeuProCysHisCysProPheLysGluGlyThrTyrSerLeuPro-----L 149
 Db 597 GG-----TGTCACCTGCTCTTCCCTTCTGTCTCTCCACTTGTCAATTTCTAGGTATCA 544
 Qy 149 ysSerGluPheAlaValProAspLeuGluLeuProSerTrpLeuThrThrGlyAsnTyrA 169
 Db 543 AGACAGAGTACAGCCAGTAAATGTAGATGTTTGTTCAAAGTCTCAGTGTCTCACAGTACC 484
 Qy 169 rgIle 170
 Db 483 GCTTG 479

RESULT 5

US-11-000-688-1085/c
 ; Sequence 1085, Application US/11000688
 ; Publication No. US20050287544A1
 ; GENERAL INFORMATION:
 ; APPLICANT: BERTUCCI, Francois
 ; APPLICANT: HOULGATTE, Remi
 ; APPLICANT: BIRNBAUM, Daniel
 ; TITLE OF INVENTION: GENE EXPRESSION PROFILING OF COLON CANCER WITH DNA ARRAYS
 ; FILE REFERENCE: 1423-R-03
 ; CURRENT APPLICATION NUMBER: US/11/000,688
 ; CURRENT FILING DATE: 2004-12-01
 ; PRIOR APPLICATION NUMBER: US 60/525,987
 ; PRIOR FILING DATE: 2003-12-01
 ; NUMBER OF SEQ ID NOS: 1596
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO 1085
 ; LENGTH: 3497
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Description of Artificial sequences:primer
 ; FEATURE:
 ; NAME/KEY: misc feature
 ; LOCATION: (1)..(3497)
 ; OTHER INFORMATION: proprotein convertase subtilisin/kexin type
 ; OTHER INFORMATION: 7(PCSK7) gene.
 US-11-000-688-1085

Alignment Scores: 326 Length: 3497
 Pred. No.: 89.00 Matches: 52
 Score:

Percent Similarity: 34.8% Conservative: 20
Best Local Similarity: 25.1% Mismatches: 66
Query Match: 8.7% Indels: 69
DB: 12 Gaps: 9

US-10-030-937-9 (1-193) x US-11-000-688-1085 (1-3497)

```
Qy 3 SerLeuMetGlnAlaProLeuLeuIleAlaLeuGlyLeuLeu-----Leu 17
Db 678 TCGETTATTCAGTGCCATTGCTCGGGTACTTGGGTCGTGAAGTGAGCGCTGCGCTT 619
Qy 18 AlaThrProAlaGln-----AlaHisLeuLysLysProSerGlnLeu 31
Db 618 GGCCCGCTTAGCAGCCTCTGCTCTGAGTGCAGCGCACAGCTTCATGCCAGCCAA--- 562
Qy 32 SerSerPheSerTrpAspAsnCysPheCluGlyLysValAspProAlaValIleArgSerLeu 51
Db 561 -----CACAGCCTC 553
Qy 52 ThrLeuGluProAspProIleValValProGlyAsnValThrLeuSerValValGlySer 71
Db 552 CACCTGTGCGGATGCCCTCCACCTCCAGGCGCGCTGTGCCAGCGCTGGACAAA 493
Qy 72 ThrSerValProLeu-SerSerProLeuLysValAspLeuValLeuGluLysGluValAl 91
Db 492 GAGGTAGTGCCTCGAAGCTCTCGATCGCTCCAGCATTCACC-----AGCCC 445
Qy 91 aGlyLeuTrpIleLysIle-----ProCysThrAs 101
Db 444 TGCTGCTGGGCCAAGGATCCCGCTGCTGCACAGTCTCTTCCTCCCGCTCACCTTC 385
Qy 101 pTyrlIleGlySerCysThrPheGluHisPheCysAspValLeuAspMetLeuIle----- 119
Db 384 CAGCTTTCAGGTGCACAGCCAG-----CTCGGCCCTCTGCGCCTG 340
Qy 120 -ProThrGlyGluProCysProGluProLeuArgThrTyrlGlyLeuProCysHisCysPr 139
Db 339 GCCATCAGGCCACCTGTCCCTGCCAGGCCATGACCCAGGGAACACAGTAAGAGAGGCC 280
Qy 139 o-----PhelysGluGlyThrTy 145
Db 279 GGCTAAATCCAGCAGGAGGAGTGGCAGGCCCGCCAGGGGGGCATCCCAAGTGTGCATTT 220
Qy 145 rSerLeuPro-----LysSerGluPheAlaValProAspLeuGluLeuProse 161
Db 219 CTGCTCCCTTCGGCATCAGACGAGTGGACTGGATTCTACATGAGTTGAGCTCCTGGT 160
Qy 161 rTrpLeuThrThrGlyAsn 167
Db 159 CTGGCTAACCCAGTCACAC 141
```

RESULT 6

US-09-925-065A-722827/c
; Sequence 722827, Application US/09925065A
; Publication No. US20040181049A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 198827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086

; SOFTWARE: FastSEQ for Windows Version 4.0

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; SEQ ID NO 722827
; LENGTH: 2537
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 816..817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827,
; LOCATION: 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839,
; LOCATION: 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851,
; LOCATION: 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862
; OTHER INFORMATION: n = A,T,C or G
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 863..864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874,
; LOCATION: 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886,
; LOCATION: 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898,
; LOCATION: 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909
; OTHER INFORMATION: n = A,T,C or G
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 910..911, 912, 913, 914, 915, 959
; OTHER INFORMATION: n = A,T,C or G
; US-09-925-065A-722827
```

Alignment Scores: 254 Length: 2537

Score: 88.50 Matches: 53
Percent Similarity: 35.1% Conservative: 13
Best Local Similarity: 28.2% Mismatches: 56
Query Match: 8.7% Indels: 66
DB: 6 Gaps: 11

US-10-030-937-9 (1-193) x US-09-925-065A-722827 (1-2537)

```
Qy 20 ProAlaGlnAlaHisLeuLysLysProSerGlnLeuSer-----SerPheSerTrpAsp 37
Db 1528 CCAGGATCCTACCATAGGAAGGAGCCAGTTGCTCTGTCTACATTGAATTTATGCTTCTC 1469
Qy 38 AsnCysPheGluGlyLys-----AspProAlaValIleArg 49
Db 1468 TCTTGTCTTTCTGCACCATGCAGACCCACTCGGGGACAGGGGAGCTCTCTGTAGTAGT 1409
Qy 50 SerLeuThrLeuGluProAspPro-----IleValValProGly 62
Db 1408 GGTCTCATGCTGAGCTGACCTTCTCTCTCTCGCGCCCTGCTGCTGAGTGGAGTCCAGGA 1349
Qy 63 AsnValThrLeuSerValValGlySerThr----- 72
Db 1348 CACGAGAAGCTGGCAATTCAAGGCTGCACACAGGCTTAAGCAGSTGTCTAGAGGCATGG 1289
Qy 73 -SerValProLeu-----Se 77
Db 1288 AACTGTGCTCTAGTTCATTATATTTTGTAGTGGGAATATGACAGTGGATTCAAC 1229
Qy 77 rSerProLeuLysValAspLeuValLeuGluLysGluValAlaGlyLeuTrpIleLysI 97
Db 1228 CTCTCTTGGAGTTCAAAATGACAGGAGGAGAGCCCTGCTATGCTAAATGGATCAAA-- 1171
Qy 97 eProCysThrAspTyrlIleGlySerCysThrPheGluHisPheCysAspValLeuAspMe 117
Db 1170 -----GGGATGGAGACTTTTGAG-----TGTAATATCATCCACCG 1136
Qy 117 tLeuIlePro-----ThrGlyGluProCysProGluProLeuArgThrTy 132
Db 1135 GCCTTCCCAATACCCACTGCTGGGACAGACAAAATCTCCCT---CCTTCCAGAGCAT 1079
Qy 132 rGlyLeuProCysHisCysProPheLysGluGlyThrTyrlSerLeuProLysSerGluPh 152
Db 1078 C---TTGCCA-----GGCTCTGTCTGTCTTCTTCTCTCTGAGAC 1043
Qy 152 eAlaValProAspLeuGluLeu 159
```



```
Qy 129 LeuArgThrTyrGlyLeu-----ProCysHisCysPro-----PheLys 141
Db 30875 GCTGAGGGTGGGAGTGGCAATCCCTCCCATCATTTCCCAAGCCACAGCTTTGGG 30816
Qy 142 GluGlyThrTyrSerLeuProLysSerGluPheAlaValProAspLeuGluLeuProSer 161
Db 30815 GACCAAGCTGACAGCTCCCTGGGAAGGCTCTTCTCTCAGCCA-----TGCCCAAAA 30765
Qy 162 TrpLeuThrThrGlyAsnTyrArgIleGluSerValLeuSerSer-----SerGly 178
Db 30764 TGGGGCCCAATACGATTTCTGCTCTGCTCTGCTGTGTGTCGTGTGTCGGGGGAGCGGC 30705
Qy 179 LysArg 180
Db 30704 GCTCGT 30699

RESULT 9
US-09-925-065A-141896/c
; Sequence 925, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT FILING DATE: 2001-08-08
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 141896
; LENGTH: 609
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-141896

Alignment Scores:
Pred. No.: 79.5 Length: 609
Score: 86.50 Matches: 44
Percent Similarity: 38.3% Conservative: 18
Best Local Similarity: 27.2% Mismatches: 59
Query Match: 8.5% Indels: 41
DB: 6 Gaps: 8

US-10-030-937-9 (1-193) x US-09-925-065A-141896 (1-609)

Qy 61 ProGlyAsnValThrLeuSerValValGlySerThrSerValProLeu----- 76
Db 594 CCCACGGCCAAAGCACTCAGCACACTGCAGACCCCTGTCCTCCACCATGCCACATCTGCTT 535
Qy 77 -----SerSerProLeuLysValAspLeuValLeuGluLys 88
Db 534 GGCAACCCATCATTCCTCCATGTCCTGTCCTGTCCTCCCAAGGCGCTCTTTTGGAAACA 475
Qy 89 GluValAla---GlyLeuTrp-----lleLysIleProCys----- 99
Db 474 GAGTGGGCTTGCTGTGTGGGGAGCCACAGAGATTTTGTGATCTCATGCCCCCGGAGAG 415
Qy 100 -----ThrAspTyrIleGlySer-CysThrPheGluHisPheCys-----AspVa 114
Db 414 CCAAGGATGGACAGAGGGGTCCATGCATCTCCAGGCCACCTGCCCCAGGGGGACAG 355
Qy 114 LeuAspMetLeuIleProThrGlyGluProCysPro-----GluProLeuArgThrTy 132
Db 114 LeuAspMetLeuIleProThrGlyGluProCysPro-----GluProLeuArgThrTy 132
```

```
Db 354 CCTAAGGCTGCCCTGCCACCTCCCAAGTATGCCCTCAGCAGCAGCCTCTCATTTGTCA 295
Qy 132 rGlyLeuProCysHisCys-ProPheLysGluGlyThrTyrSerLeuProLysSerGluP 152
Db 294 CACTGTCTGCTGGTGTCTGCTCCCTTTC-----CTCCCGGGTGGGTGT 253
Qy 152 heLaValProAspLeuGluLeuLeuProSerTrpLeuThrThrGlyAsnTyrArgIleGlu 172
Db 252 TCCAGGATCACCATCTACACTGCTGCTGGGTC-----CAAGTCCTTA 208
Qy 172 erValLeuSerSerSerGlyAsnLeuGlyCysIleLysIleAlaAlaSerLeuLysG 192
Db 207 CCGTAGGGTCTGCCCTGGGAAGTTTGAGATGCTGGGGGATGAGTGGCGGGCTCAAGG 148
Qy 192 ly 192
Db 147 GA 146

RESULT 10
US-11-098-686-9363
; Sequence 9363, Application US/11098686
; Publication No. US20060024696A1
; GENERAL INFORMATION:
; APPLICANT: Kapur, Vivek and Gebhart, Connie J.
; TITLE OF INVENTION: NUCLEIC ACID AND POLYPEPTIDE SEQUENCES
; FILE REFERENCE: 09531-128001
; CURRENT APPLICATION NUMBER: US/11/098,686
; CURRENT FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: PCT/US03/31318
; PRIOR FILING DATE: 2003-10-01
; PRIOR APPLICATION NUMBER: US 60/416,395
; PRIOR FILING DATE: 2002-10-04
; NUMBER OF SEQ ID NOS: 11433
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9363
; LENGTH: 1251
; TYPE: DNA
; ORGANISM: Lawsonia intracellularis
US-11-098-686-9363

Alignment Scores:
Pred. No.: 177 Length: 1251
Score: 86.50 Matches: 43
Percent Similarity: 35.3% Conservative: 29
Best Local Similarity: 21.1% Mismatches: 63
Query Match: 8.5% Indels: 69
DB: 12 Gaps: 9

US-10-030-937-9 (1-193) x US-11-098-686-9363 (1-1251)

Qy 13 LeuGlyLeuLeuLeuAlaThrProAlaGlnAlaHisLeuLysLysProSerGlnLeuSer 32
Db 505 ATAGGGTTGAACATTTTAAACAAATAGCTGCACAACTAAAGAA----- 549
Qy 33 SerPheSerTrpAsp---AsnCysPheGluGlyLysAspProAlaValIleArgSerIleu 51
Db 550 TCTTTTGTGGGATGTTACATGATACGTGGTAATTATACCAAGTACTAAAAATCTATT 609
Qy 52 ThrLeuGluProAspProIleValValProGlyAsnValThrLeuSerValValGlySer 71
Db 610 AGT---TCCCCTTTGGCACCTTATTATGTCGTGGAATATGCTTAATGAATTAAGGGA 666
Qy 72 ThrSerValProLeuSerSerProLeuLys-----ValAspLeuValLeu 86
Db 667 ACAATCATCTTATTAGAACCCGTATGGAACAATGGTAATGCTCATATAATATGTTT 726
Qy 87 GluLysGluValAlaGlyLeuTrpIleLysIleProCysThrAspTyr----- 102
Db 727 CACTCTGATGAGCAGCATTTGTTGTAGAG---CCTGGAACACGCTTTGGGTGGAAGCTT 783
Qy 103 -----lleGlySerCysThr 107
Db 103 -----lleGlySerCysThr 107
```


Db 784 ATGCTACATTAGAGAGTTGCTATACAGATACATTATTCTTCTGCTCCTTGACA 843
 Qy 108 PheGluHisPheCysAspValLeuAspMetLeuLeuProThrGlyGluProCysProGlu 127
 Db 844 CACAGAGCTTTTGTCTTTTAAAT----- 870
 Qy 128 ProLeuArgThrTyrglyLeuProCysHisCysProPheLysGluGlyThrTyrsSerLeu 147
 Db 871 -----AGTACAAATAACTTTGGTGTCATGCTGTT----- 903
 Qy 148 ProLysSerGluPheAlaValProAspLeuGluLeuProSerTrpLeuThrThrGlyAsn 167
 Db 904 -----CATGTAGATGACACACATGCTTTTAAAC----- 933
 Qy 168 TyrArgIleGluSerValLeuSerSerGlyLysArgLeuGlyCysIleLysIleAla 187
 Db 934 -----CTTAGTCAAGCAGCAGTAAATTTATCAAAAGTTAAAGTAAAGT 972
 Qy 188 AlaSerLeuLys 191
 Db 973 TTTTCTTTTCAG 984

RESULT 11

US-10-750-185-43441
 ; Sequence 43441, Application US/10750185
 ; Publication No. US2005026030A1
 ; GENERAL INFORMATION:
 ; APPLICANT: MMI GENOMICS, INC.
 ; APPLICANT: DENISE, Sue K.
 ; APPLICANT: KERR, Richard
 ; APPLICANT: ROSENFELD, David
 ; APPLICANT: HOLM, Tom
 ; APPLICANT: BATES, Stephen
 ; APPLICANT: FANTIN, Dennis
 ; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
 ; FILE REFERENCE: MM1100-2
 ; CURRENT APPLICATION NUMBER: US/10/750,185
 ; CURRENT FILING DATE: 2003-12-31
 ; PRIOR APPLICATION NUMBER: US 60/437,482
 ; PRIOR FILING DATE: 2002-12-31
 ; NUMBER OF SEQ ID NOS: 64922
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 43441
 ; LENGTH: 3114
 ; TYPE: DNA
 ; ORGANISM: Bovine 19866880531065
 US-10-750-185-43441

Alignment Scores:

Pred. No.: 491 Length: 3114
 Score: 86.50 Matches: 39
 Percent Similarity: 36.4% Conservative: 9
 Best Local Similarity: 29.5% Mismatches: 47
 Query Match: 8.5% Indels: 38
 DB: Gaps: 6

US-10-030-937-9 (1-193) x US-10-750-185-43441 (1-3114)

Qy 55 ProAspProIleValValProGlyAsnValThrLeuSerValValGlySerThrSerVal 74
 Db 2123 CCCGACCCAGGATTAACCCGGGTCTCCCGATTGCGGAGACACATTTAACTCTGAG 2182
 Qy 75 ProLeuSerProLeuLysValAspLeuValLeuGluLysGluValAlaGlyLeuTrp 94
 Db 2183 CCACCGAGGAGCCCTTTTCACCTTTCTCTTCTTAACCAAGAA----- 2227
 Qy 95 IleLysIleProCysThrAspTyrlleGlySerCysThrPheGluHisPheCysAspVal 114
 Db 2228 -----TGTAACAACGCTTAAGGC----- 2245
 Qy 115 LeuAspMetLeuIleProThrGlyGluProCysProGluProLeuArgThrTyrglyLeu 134
 Db 2246 -----CCTCTGTG-GAGCAGAGTCTCT-----CACGGGCTG 2274

Qy 135 Pro-----CysHis-----CysProPheLysGluGlyThrTyrsSerLeuPro 148
 Db 2275 CCAGACAGCTGCCATGAGAGGCCTTACTGCTAATAATAGTAAAGGCACATACTCAGAACA 2334
 Qy 149 LysSerGluPheAlaValProAspLeuGluLeuProSerTrpLeuThrThrGlyAsnTrp 168
 Db 2335 AGCATCAACCTAGTTCCTCCATTAGTCAGCTTGTCATCTGGATGGTT-----TCCTGC 2388
 Qy 169 ArgIleGluSerValLeuSerSerGlyLysArg 180
 Db 2389 CTTATTGAAGATACAGATTTCTCTCAGCATATAAAGG 2424

RESULT 12

US-10-750-623-43441
 ; Sequence 43441, Application US/10750623
 ; Publication No. US20050287531A1
 ; GENERAL INFORMATION:
 ; APPLICANT: MMI GENOMICS, INC.
 ; APPLICANT: DENISE, Sue K.
 ; APPLICANT: KERR, Richard
 ; APPLICANT: ROSENFELD, David
 ; APPLICANT: HOLM, Tom
 ; APPLICANT: BATES, Stephen
 ; APPLICANT: FANTIN, Dennis
 ; TITLE OF INVENTION: METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS
 ; FILE REFERENCE: MM1100-1
 ; CURRENT APPLICATION NUMBER: US/10/750,623
 ; CURRENT FILING DATE: 2003-12-31
 ; PRIOR APPLICATION NUMBER: US 60/437,482
 ; PRIOR FILING DATE: 2002-12-31
 ; NUMBER OF SEQ ID NOS: 64922
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 43441
 ; LENGTH: 3114
 ; TYPE: DNA
 ; ORGANISM: Bovine 19866880531065
 US-10-750-623-43441

Alignment Scores:

Pred. No.: 491 Length: 3114
 Score: 86.50 Matches: 39
 Percent Similarity: 36.4% Conservative: 9
 Best Local Similarity: 29.5% Mismatches: 47
 Query Match: 8.5% Indels: 38
 DB: Gaps: 6

US-10-030-937-9 (1-193) x US-10-750-623-43441 (1-3114)

Qy 55 ProAspProIleValValProGlyAsnValThrLeuSerValValGlySerThrSerVal 74
 Db 2123 CCCGACCCAGGATTAACCCGGGTCTCCCGATTGCGGAGACACATTTAACTCTGAG 2182
 Qy 75 ProLeuSerProLeuLysValAspLeuValLeuGluLysGluValAlaGlyLeuTrp 94
 Db 2183 CCACCGAGGAGCCCTTTTCACCTTTCTCTTCTTAACCAAGAA----- 2227
 Qy 95 IleLysIleProCysThrAspTyrlleGlySerCysThrPheGluHisPheCysAspVal 114
 Db 2228 -----TGTAACAACGCTTAAGGC----- 2245
 Qy 115 LeuAspMetLeuIleProThrGlyGluProCysProGluProLeuArgThrTyrglyLeu 134
 Db 2246 -----CCTCTGTG-GAGCAGAGTCTCT-----CACGGGCTG 2274
 Qy 135 Pro-----CysHis-----CysProPheLysGluGlyThrTyrsSerLeuPro 148
 Db 2275 CCAGACAGCTGCCATGAGAGGCCTTACTGCTAATAATAGTAAAGGCACATACTCAGAACA 2334
 Qy 149 LysSerGluPheAlaValProAspLeuGluLeuProSerTrpLeuThrThrGlyAsnTrp 168
 Db 2335 AGCATCAACCTAGTTCCTCCATTAGTCAGCTTGTCATCTGGATGGTT-----TCCTGC 2388

Qy 169 ArgIleGluSerValLeuSerSerGlyLysArg 180
 Db 2389 CTTATTGAAGATACAGTTCTCTCAGCATAAAAGG 2424

RESULT 13

US-11-128-061-1065
 ; Sequence 1065, Application US/11128061
 ; Publication No. US20060003958A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Melville, Mark W.
 ; APPLICANT: Charlebois, Timothy S.
 ; APPLICANT: Mounts, William M.
 ; APPLICANT: Hann, Louane E.
 ; APPLICANT: Sinacore, Martin S.
 ; APPLICANT: Leonard, Mark W.
 ; APPLICANT: Brown, Eugene L.
 ; APPLICANT: Miller, Christopher P.
 ; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES RELATED TO OLIGONUCLEOTIDE ARRAYS
 ; FILE REFERENCE: 01997.027701
 ; CURRENT FILING DATE: 2005-05-11
 ; PRIOR APPLICATION NUMBER: US 60/570,425
 ; PRIOR FILING DATE: 2004-05-11
 ; NUMBER OF SEQ ID NOS: 7285
 ; SOFTWARE: PatentIn version 3.3
 ; SEQ ID NO 1065
 ; LENGTH: 13667
 ; TYPE: DNA
 ; ORGANISM: Cricetulus griseus
 ; FEATURE:
 ; NAME/KEY: misc feature
 ; LOCATION: (1550)..(1574)
 ; OTHER INFORMATION: n is a, c, g, or t
 ; FEATURE:
 ; NAME/KEY: misc feature
 ; LOCATION: (2054)..(2082)
 ; OTHER INFORMATION: n is a, c, g, or t
 ; FEATURE:
 ; NAME/KEY: misc feature
 ; LOCATION: (2119)..(2161)
 ; OTHER INFORMATION: n is a, c, g, or t
 ; FEATURE:
 ; NAME/KEY: misc feature
 ; LOCATION: (2298)..(2321)
 ; OTHER INFORMATION: n is a, c, g, or t
 ; FEATURE:
 ; NAME/KEY: misc feature
 ; LOCATION: (2967)..(2979)
 ; OTHER INFORMATION: n is a, c, g, or t
 ; FEATURE:
 ; NAME/KEY: misc feature
 ; LOCATION: (2935)..(2961)
 ; OTHER INFORMATION: n is a, c, g, or t
 ; FEATURE:
 ; NAME/KEY: misc feature
 ; LOCATION: (3009)..(3026)
 ; OTHER INFORMATION: n is a, c, g, or t
 ; FEATURE:
 ; NAME/KEY: misc feature
 ; LOCATION: (3028)..(3041)
 ; OTHER INFORMATION: n is a, c, g, or t
 ; FEATURE:
 ; NAME/KEY: misc feature
 ; LOCATION: (3066)..(3078)
 ; OTHER INFORMATION: n is a, c, g, or t
 ; FEATURE:
 ; NAME/KEY: misc feature
 ; LOCATION: (3080)..(3100)

; OTHER INFORMATION: n is a, c, g, or t
 ; FEATURE:
 ; NAME/KEY: misc feature
 ; LOCATION: (4385)..(4402)
 ; OTHER INFORMATION: n is a, c, g, or t
 ; FEATURE:
 ; NAME/KEY: misc feature
 ; LOCATION: (4412)..(4427)
 ; OTHER INFORMATION: n is a, c, g, or t
 ; FEATURE:
 ; NAME/KEY: misc feature
 ; LOCATION: (4429)..(4448)
 ; OTHER INFORMATION: n is a, c, g, or t
 ; FEATURE:
 ; NAME/KEY: misc feature
 ; LOCATION: (4511)..(4530)
 ; OTHER INFORMATION: n is a, c, g, or t
 ; FEATURE:
 ; NAME/KEY: misc feature
 ; LOCATION: (4732)..(4784)
 ; OTHER INFORMATION: n is a, c, g, or t
 ; FEATURE:
 ; NAME/KEY: misc feature
 ; LOCATION: (4823)..(4845)
 ; OTHER INFORMATION: n is a, c, g, or t
 ; FEATURE:
 ; NAME/KEY: misc feature
 ; LOCATION: (6447)..(6470)
 ; OTHER INFORMATION: n is a, c, g, or t
 ; FEATURE:
 ; NAME/KEY: misc feature
 ; LOCATION: (10723)..(10745)
 ; OTHER INFORMATION: n is a, c, g, or t
 ; FEATURE:
 ; NAME/KEY: misc feature
 ; LOCATION: (11408)..(11428)
 ; OTHER INFORMATION: n is a, c, g, or t
 ; FEATURE:
 ; NAME/KEY: misc feature
 ; LOCATION: (12151)..(12175)
 ; OTHER INFORMATION: n is a, c, g, or t
 ; FEATURE:
 ; NAME/KEY: misc feature
 ; LOCATION: (12946)..(12961)
 ; OTHER INFORMATION: n is a, c, g, or t
 ; US-11-128-061-1065

Alignment Scores:
 Pred. No.: 2.56e+03 Length: 13667
 Score: 86.50 Matches: 52
 Percent Similarity: 36.7% Conservative: 20
 Best Local Similarity: 26.5% Mismatches: 54
 Query Match: 8.5% Indels: 70
 DB: 12 Gaps: 9

US-10-030-937-9 (1-193) x US-11-128-061-1065 (1-13667)

Qy 9 LeuLeuIleAlaLeuGlyLeuLeuAlaThrProAlaGlnAlaHisLeuLysLysPro 28
 Db 8289 CTGCTGGCAGCTGTCCTTCCTTCCTCCCTCCGCCCTCACC----- 8324
 Qy 29 SerGlnLeuSerSerPheSerTrpAspAsnCysPheGluGlyLysAspProAlaValIle 48
 Db 8325 -----AGCCCTTCTCTCGCCTTCATTGTCTCTCCCTCCGCCCTCACCCTACTGAT 8375
 Qy 49 ArgSerLeuThrLeu-----GluProAspProIleValProGlyAsn 63
 Db 8376 GCATCCATCAGCTTTACAGAAAGCCTTCCTTCCTGTGCCCTCATCATCCCGCAGTCA 8435
 Qy 64 ValThrLeuSerValValGlySerThrSerValProLeuSerSerProLeuLysValAsp 83
 Db 8436 AGTCCTTTACTCTCTC-----AGAAAGTCACCCCACTTCATTCCATTCCTGGGCTGCC 8489

QY 84 LeuValLeuGluLysGluValAlaGlyLeuThrPheLysIle-----ProCys----- 99
Db 8490 CTCCCTCTGTCAG-----CTGGGTCTCTGGTAGTGTCTCCCGTGCAAGGAGAG 8543
QY 100 -----ThrAspTyrIleGlySerCysThrPheGluHisPheCysAspVa 114
Db 8544 CCCTTTTGGTAGGACCGAGATCTCTGGT-----TTCTGTGGGT 8585
QY 114 lleuAspMetLeuIleProThrGlyGluProCysProGluProLeuArgThrTyrGlyLe 134
Db 8586 CCTCAGCATGATCTGGACACAGA----- 8610
QY 134 uProCysHisCysProPheLysGluGlyThrTyrSerLeuProLysSerGluPheAlaVa 154
Db 8610 ----- 8610
QY 154 lProAspLeuGluLeuProSerTrpLeuThrThrGlyAsnTyrArgIleGluSerValle 174
Db 8611 -CCTGGTCTTCTTCCCTTGGCAAGTGAACACAGAATCTGTGAATGTAATCATTTGTTCAATC-- 8667
QY 174 uSerSerGlyLysArgLeuGlyCysIleLysIleAlaLaser 189
Db 8668 ----AACAGATGGCCAGGCTGGCCCGCTGGAGACAGCGGATCT 8709

RESULT 14

US-11-128-049-1065
; Sequence 1065, Application US/11128049
; Publication No. US20060010513A1
; GENERAL INFORMATION:
; APPLICANT: Melville, Mark W.
; APPLICANT: Charlebois, Timothy S.
; APPLICANT: Mounts, William M.
; APPLICANT: Hann, Louane E.
; APPLICANT: Sinacore, Martin S.
; APPLICANT: Leonard, Mark W.
; APPLICANT: Brown, Eugene L.
; APPLICANT: Miller, Christopher P.
; TITLE OF INVENTION: OLIGONUCLEOTIDE ARRAYS TO MONITOR GENE EXPRESSION AND METHODS FOR
; FILE REFERENCE: 01997.027700
; CURRENT APPLICATION NUMBER: US/11/128,049
; CURRENT FILING DATE: 2005-05-11
; PRIOR APPLICATION NUMBER: US 60/570,425
; PRIOR FILING DATE: 2004-05-11
; NUMBER OF SEQ ID NOS: 7285
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1065
; LENGTH: 13667
; TYPE: DNA
; ORGANISM: Cricetulus griseus
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1550)..(1574)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (2054)..(2082)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (2119)..(2161)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (2298)..(2321)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (2935)..(2961)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (2967)..(2979)

; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (2982)..(3001)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (3009)..(3026)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (3028)..(3041)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (3066)..(3078)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (3080)..(3100)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (4385)..(4402)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (4412)..(4427)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (4429)..(4448)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (4511)..(4530)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (4732)..(4784)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (4823)..(4845)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
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; LOCATION: (6447)..(6470)
; OTHER INFORMATION: n is a, c, g, or t
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; LOCATION: (10723)..(10745)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (11408)..(11428)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (12161)..(12175)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (12946)..(12961)
; OTHER INFORMATION: n is a, c, g, or t
; US-11-128-049-1065

Alignment Scores:

Pred. No.: 2.56e+03 Length: 13667
Score: 86.50 Matches: 52
Percent Similarity: 36.7% Conservative: 20
Best Local Similarity: 26.5% Mismatches: 54
Query Match: 8.5% Indels: 70

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| DB: | 12 | Gaps: | 9 |
| US-10-030-937-9 (1-193) x US-11-128-049-1065 (1-13667) | | | |
| Qy | 9 | LeuLeuIleAlaLeuGlyLeuLeuAlaThrProAlaGlnAlaHisLeuLysPro | 28 |
| Db | 8289 | CTGTGGCAGCTGCTCTCTCTCTGCGCCACCC | 8324 |
| Qy | 29 | SerGlnLeuSerSerPheSerTrpAspAsnCysPheGluGlyLysAspProAlaValIle | 48 |
| Db | 8325 | -----AGCCCTCTCTCTGCGCTCATGTTCTCCCTCGCGCCACCTACTGAT | 8375 |
| Qy | 49 | ArgSerLeuThrLeu-----GluProAspProIleValValProGlyAsn | 63 |
| Db | 8376 | GCATCCATCAGCTTACAGAAAGCCTCTCTCTGCGCCATCATCCTGCCGAGTCA | 8435 |
| Qy | 64 | ValThrLeuSerValValGlySerThrSerValProLeuSerSerProLeuLysValAsp | 83 |
| Db | 8436 | AGTCCTTTTACCTCTC-----AGAAAGTCACCCCTCCATTCCTCCTGGCGCTGCC | 8489 |
| Qy | 84 | LeuValLeuGluLysGluValAlaGlyLeuTrpIleLysIle-----ProCys | 99 |
| Db | 8490 | CTCCCTCTGTCCAG-----CTGGGTCTGTGGTACTGTCTCCCGTCGCAAGGAGAG | 8543 |
| Qy | 100 | -----ThrAspTyrIleGlySerCysThrPheGluHisPheCysAspVa | 114 |
| Db | 8544 | CCCTTTTGGGTAGACCGAGATTCTGTGGT-----TTCTCTGGGT | 8585 |
| Qy | 114 | LleuAspMetLeuIleProThrGlyGluProCysProGluProLeuArgThrTyrGlyLe | 134 |
| Db | 8586 | CCTCAGCATGATGCTGGACACAAGA----- | 8610 |
| Qy | 134 | uProCysHisCysProPheLysGluGlyThrTyrSerLeuProLysSerGluPheAlaVa | 154 |
| Db | 8610 | ----- | 8610 |
| Qy | 154 | lProAspLeuGluLeuProSerTrpLeuThrThrGlyAsnTyrArgIleGluSerValLe | 174 |
| Db | 8611 | -CCTGGTCTTTCTTCCCTTGCCAGTGAACAGAAATCTGTGAATGAATCATTTGTCAGTC-- | 8667 |
| Qy | 174 | uSerSerSerGlyLysArgLeuGlyCysIleLysIleAlaAlaSer | 189 |
| Db | 8668 | ----AACAGATGGCCAGCGTGGGCGCGTGGGACAGACGCGGATCT | 8709 |
| RESULT 15 | | | |
| US-11-098-686-8739/c | | | |
| ; Sequence 8739, Application US/11098686 | | | |
| ; Publication No. US20060024696A1 | | | |
| ; GENERAL INFORMATION: | | | |
| ; APPLICANT: Kapur, Vivek and Gebhart, Connie J. | | | |
| ; TITLE OF INVENTION: NUCLEIC ACID AND POLYPEPTIDE SEQUENCES | | | |
| ; TITLE OF INVENTION: FROM LAWSONIA INTRACELLULARIS AND METHODS OF USING | | | |
| ; FILE REFERENCE: 09531-128001 | | | |
| ; CURRENT APPLICATION NUMBER: US/11/098,686 | | | |
| ; PRIOR FILING DATE: 2005-04-04 | | | |
| ; PRIOR APPLICATION NUMBER: PCT/US03/31318 | | | |
| ; PRIOR FILING DATE: 2003-10-01 | | | |
| ; PRIOR APPLICATION NUMBER: US 60/416,395 | | | |
| ; PRIOR FILING DATE: 2002-10-04 | | | |
| ; NUMBER OF SEQ ID NOS: 11433 | | | |
| ; SOFTWARE: FastSeq for Windows Version 4.0 | | | |
| ; SEQ ID NO 8739 | | | |
| ; LENGTH: 1457619 | | | |
| ; TYPE: DNA | | | |
| ; ORGANISM: Lawsonia intracellularis | | | |
| US-11-098-686-8739 | | | |
| Alignment Scores: | | | |
| Pred. No.: | 4.61e+05 | Length: | 1457619 |
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| DB: | 12 | Gaps: | 9 |
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| Qy | 13 | LeuGlyLeuLeuAlaThrProAlaGlnAlaHisLeuLysLysProSerGlnLeuSer | 32 |
| Db | 560223 | ATAGGGTTGAACCTTTTAAACAAATAGCTGCACAACTAAAGAA----- | 560179 |
| Qy | 33 | SerPheSerTrpAsp---AsnCysPheGluGlyLysAspProAlaValIleArgSerLeu | 51 |
| Db | 560178 | TCCTTTGTGGGATGTTACATGATACCTGGGTAATATATACCAAGTACTATAATCTATT | 560119 |
| Qy | 52 | ThrLeuGluProAspProIleValValProGlyAsnValThrLeuSerValValGlySer | 71 |
| Db | 560118 | AGT---TCCCCTTTGCACCTTATTATGCTGGAAATATGCTTAATGAATTAAGAGGAAA | 560062 |
| Qy | 72 | ThrSerValProLeuSerSerProLeuLys-----ValAspLeuValLeu | 86 |
| Db | 560061 | ACAAATCATCTTATTAGAGCCGCTATGGAACAAATGTAATGCTCATAAATAATGTTT | 560002 |
| Qy | 87 | GluLysGluValAlaGlyLeuTrpIleLysIleProCysThrAspTyr----- | 102 |
| Db | 560001 | CACCTCTGATGGACGACGATTTGTTGTAGAG---CCTGGAAACACGTTTGGGTGGAAGCTT | 559945 |
| Qy | 103 | -----IleGlySerCysThr | 107 |
| Db | 559944 | ATGCTCATATTAGAGAAAGTTGCTATACAAAGATACATTTATTCTATTGCTCCTGCACA | 559885 |
| Qy | 108 | PheGluHisPheCysAspValLeuAspMetLeuIleProThrGlyGluProCysProGlu | 127 |
| Db | 559884 | CATACAGCTTTTGTCTCTTTATTAAAT----- | 559858 |
| Qy | 128 | ProLeuArgThrTyrGlyLeuProCysHisCysProPheLysGluGlyThrTyrSerLeu | 147 |
| Db | 559857 | -----AGTACAAATAATCTTTGCTGTCATGCTCTTGT----- | 559825 |
| Qy | 148 | ProLysSerGluPheAlaValProAspLeuGluLeuProSerTrpLeuThrThrGlyAsn | 167 |
| Db | 559824 | -----GATGTAGATGCACCAATGTTATTAAAC----- | 559795 |
| Qy | 168 | TyrArgIleGluSerValLeuSerSerGlyLysArgLeuGlyCysIleLysIleAla | 187 |
| Db | 559794 | -----CTTAGTCAAGACGCTAATTTATCAAAAGTTAAAGTAAGT | 559756 |
| Qy | 188 | AlaSerLeuLys | 191 |
| Db | 559755 | TTTCTTTTCAG | 559744 |

Search completed: February 16, 2006, 14:26:56
Job time : 3099.1 secs

GenCore version 5.1.7
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OM protein - nucleic search, using frame_plus_p2n model

Run on: February 16, 2006, 12:57:39 ; Search time 252.187 Seconds
(without alignments)
1360.379 Million cell updates/sec

Title: US-10-030-937-9
Perfect score: 1018
Sequence: 1 MQSLMQAPLLIAGLLIATP.....LSSGKRLGCIKIAASLKGI 193

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Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 1303057 seqs, 888780828 residues

Total number of hits satisfying chosen parameters: 2606114

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Command line parameters:
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-DB=abss/ABSSWEB spool/US10030937/runat 15022006 055700 6000/app query.fasta_1
-DB=Issued Patents NA -QWTF=fastap -SUFFIX=rni -MINMATCH=0.1 -LOOPCL=0
-LOOPEXT=0 -UNITS=bits -START=1 -END=-1 -MATRIX=blosum62 -TRANS=human40.cdi
-LIST=45 -DOALIGN=200 -THR SCORE=pct -THR MAX=100 -THR MIN=0 -ALIGN=15
-MODE=LOCAL -OUTFMT=ptc -NORM=ext -HEAPSIZE=500 -MINLEN=0 -MAXLEN=2000000000
-HOST=abss05p -USER=US10030937 @CGN 1 1 427 @runat 15022006 055700 6000
-NCPU=6 -ICPU=3 -NO WMAP -NEG SCORES=0 -WAIT -DSPBLOCK=100 -LONGLOG
-DEV TIMEOUT=120 -WARN TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5 -FCAPOP=6
-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database : Issued Patents NA:*
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2: /cgn2_6/ptodata/1/ina/5 COMB.seq:*
3: /cgn2_6/ptodata/1/ina/6A COMB.seq:*
4: /cgn2_6/ptodata/1/ina/6B COMB.seq:*
5: /cgn2_6/ptodata/1/ina/H COMB.seq:*
6: /cgn2_6/ptodata/1/ina/PCTUS COMB.seq:*
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8: /cgn2_6/ptodata/1/ina/RE COMB.seq:*
9: /cgn2_6/ptodata/1/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description |
|------------|-------|-------------|--------|-----------------------|-------------------|
| 1 | 97.5 | 9.6 | 20966 | 3 US-09-776-976-7 | Sequence 7, Appli |
| 2 | 97.5 | 9.6 | 20966 | 3 US-09-909-547-7 | Sequence 7, Appli |
| 3 | 97.5 | 9.6 | 20966 | 3 US-09-569-852B-1 | Sequence 1, Appli |
| 4 | 92.5 | 9.1 | 9950 | 3 US-09-949-016-12075 | Sequence 12075, A |
| 5 | 92.5 | 9.1 | 9950 | 3 US-09-949-016-14226 | Sequence 14226, A |
| 6 | 92 | 9.0 | 99748 | 3 US-09-949-016-11990 | Sequence 11990, A |
| 7 | 92 | 9.0 | 99749 | 3 US-09-949-016-16518 | Sequence 16518, A |
| 8 | 91.5 | 9.0 | 34677 | 3 US-09-949-002-593 | Sequence 593, App |
| 9 | 91 | 8.9 | 455726 | 3 US-09-949-016-14157 | Sequence 14157, A |

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| C | 10 | 91 | 8.9 | 481115 | 3 | US-09-949-016-11940 | Sequence 11940, A | | |
| | 11 | 89.5 | 8.8 | 890 | 2 | US-08-592-126-78 | Sequence 78, Appl | | |
| | 12 | 89.5 | 8.8 | 890 | 3 | US-09-168-595-78 | Sequence 78, Appl | | |
| | C | 13 | 89.5 | 8.8 | 1633 | 2 | US-07-866-979-5 | Sequence 5, Appli | |
| | | C | 14 | 89.5 | 8.8 | 1633 | 2 | US-08-466-906B-5 | Sequence 5, Appli |
| | | C | 15 | 89.5 | 8.8 | 1633 | 3 | US-08-706-281A-5 | Sequence 5, Appli |
| | | C | 16 | 89.5 | 8.8 | 1633 | 3 | US-09-201-746-5 | Sequence 5, Appli |
| | | C | 17 | 89.5 | 8.8 | 1633 | 3 | US-09-097-231-5 | Sequence 5, Appli |
| | | C | 18 | 89.5 | 8.8 | 1633 | 3 | US-09-353-099-5 | Sequence 5, Appli |
| | | C | 19 | 89.5 | 8.8 | 1633 | 3 | US-09-016-434-1343 | Sequence 1343, Appl |
| | | C | 20 | 89 | 8.7 | 2546 | 3 | US-09-949-002-234 | Sequence 234, Appl |
| | | | 88.5 | 8.7 | 601 | 3 | US-09-949-016-30962 | Sequence 30962, A | |
| | | | 88.5 | 8.7 | 601 | 3 | US-09-949-016-30963 | Sequence 30963, A | |
| | | | 88.5 | 8.7 | 601 | 3 | US-09-949-016-158143 | Sequence 158143, A | |
| | | | 88.5 | 8.7 | 601 | 3 | US-09-949-016-158144 | Sequence 158144, A | |
| | | | 88.5 | 8.7 | 1388 | 3 | US-09-976-594-806 | Sequence 806, Appl | |
| | | | 88.5 | 8.7 | 22339 | 3 | US-09-949-016-12411 | Sequence 12411, A | |
| | | | 88.5 | 8.7 | 22339 | 3 | US-09-949-016-16154 | Sequence 16154, A | |
| | | | 88.5 | 8.7 | 22339 | 3 | US-09-949-016-13584 | Sequence 13584, A | |
| | | C | 28 | 88 | 8.6 | 15252 | 3 | US-09-785-381-6 | Sequence 6, Appli |
| | | C | 29 | 88 | 8.6 | 29485 | 3 | US-09-735-934A-3 | Sequence 3, Appli |
| | | | 88 | 8.6 | 43950 | 3 | US-10-060-332-3 | Sequence 3, Appli | |
| | | | 88 | 8.6 | 43950 | 3 | US-10-339-657-3 | Sequence 3, Appli | |
| | | | 88 | 8.6 | 43950 | 3 | US-10-885-879-3 | Sequence 3, Appli | |
| | | | 87 | 8.5 | 231129 | 3 | US-09-949-016-16110 | Sequence 16110, A | |
| | | | 87 | 8.5 | 266293 | 3 | US-09-949-016-11934 | Sequence 11934, A | |
| | | | 86.5 | 8.5 | 2781 | 3 | US-09-302-812-7 | Sequence 7, Appli | |
| | | | 86.5 | 8.5 | 2781 | 3 | US-09-511-477-7 | Sequence 7, Appli | |
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| | | | 86 | 8.4 | 588 | 3 | US-09-860-793-2 | Sequence 2, Appli | |
| | | | 86 | 8.4 | 29629 | 3 | US-09-729-995-3 | Sequence 3, Appli | |
| | | | 86 | 8.4 | 29629 | 3 | US-10-135-689-3 | Sequence 3, Appli | |
| | | | 86 | 8.4 | 29629 | 3 | US-10-690-617-3 | Sequence 3, Appli | |
| | | | 86 | 8.4 | 37030 | 3 | US-08-311-731A-25 | Sequence 25, Appl | |
| | | C | 45 | 85.5 | 8.4 | 601 | 3 | US-09-949-016-83862 | Sequence 83862, A |

ALIGNMENTS

RESULT 1

US-09-776-976-7
; Sequence 7, Application US/09776976
; Patent No. 6566332
; GENERAL INFORMATION:
; APPLICANT: Fruebis, Joachim
; APPLICANT: Erickson, Mary Ruth
; APPLICANT: Yen, Frances
; APPLICANT: Bihain, Bernard
; TITLE OF INVENTION: OBG Globular Head and Uses Thereof for Decreasing Body Mass
; FILE REFERENCE: 76.US4.REG
; CURRENT APPLICATION NUMBER: US/09/776,976
; CURRENT FILING DATE: 2001-02-05
; PRIOR APPLICATION NUMBER: US 09/758,055
; PRIOR FILING DATE: 2001-01-10
; PRIOR APPLICATION NUMBER: US 60/176,228
; PRIOR FILING DATE: 2000-01-14
; PRIOR APPLICATION NUMBER: US 60/198,087
; PRIOR FILING DATE: 2000-04-13
; PRIOR APPLICATION NUMBER: US 60/299,881
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: Patent.pm
; SEQ ID NO 7
; LENGTH: 20966
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 1..4811
; OTHER INFORMATION: 5' regulatory region
; NAME/KEY: exon
; LOCATION: 4812..4851

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, OTHER INFORMATION: exon 1
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, OTHER INFORMATION: exon 2
, NAME/KEY: exon
, LOCATION: 16277..20559
, OTHER INFORMATION: exon 3
, NAME/KEY: misc feature
, LOCATION: 20560..20966
, OTHER INFORMATION: 3' regulatory region
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, NAME/KEY: allele
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, NAME/KEY: allele
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, OTHER INFORMATION: 9-12-48 : polymorphic base C or T
, NAME/KEY: allele
, LOCATION: 15196
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, NAME/KEY: allele
, LOCATION: 15427
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, NAME/KEY: allele
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, OTHER INFORMATION: 9-16.rp complement
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, NAME/KEY: primer_bind
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, OTHER INFORMATION: 9-12-428.mis complement
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, LOCATION: 15844..15862
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, LOCATION: 15864..15882
, OTHER INFORMATION: 99-14405-105.mis complement
, NAME/KEY: primer_bind
, LOCATION: 17151..17169
, OTHER INFORMATION: 9-16-189.mis
, NAME/KEY: primer_bind
, LOCATION: 17171..17189
, OTHER INFORMATION: 9-16-189.mis complement
, US-09-776-976-7
, Alignment Scores:
, Pred. No.: 13.9 Length: 20966
, Score: 97.50 Matches: 57
, Percent Similarity: 41.8% Conservative: 24
, Best Local Similarity: 29.4% Mismatches: 72
, Query Match: 9.6% Indels: 41
, DB: 3 Gaps: 10
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Qy 34 PheSerTrpAspAsnCyseGluGlyLysAspProAlaValIleAsgSerLeuThrIeu 53
Db 6639 AGACTGGCTCTTGTCTTTTGGGGA-----CAGGGTCTCAGCTCTA 6680
Qy 54 GluProAspProIleValValProGlyAsnValThr-----LeuSerValVal 69
Db 6681 TCACCC---AGCTGGAGTGCAGTGCATCACAGCTCAGCTCGATTCCCA 6737
Qy 70 GlySerThrSerValProLeuSerSer-ProLeuLysValAspLeuValLeuGluLysG 89
Db 6738 GGCTCAAGTACCCCTCCCTTACCTTACCTTACCTTACCTTACCTTACCTTAC 6797
Qy 89 uValAlaGlyLeuTrpIleValIleProCyseThrAspTyrIleGlySerCysThrPheG 109
Db 6798 CATGCTGGCTAAATTTTAAATAATTTTGTAGAGATGAGGTCTCAGTAA----- 6846
Qy 109 uHisPheCyseAspValLeuAspMetLeuIleProThrGlyGluProCyseProGluProLe 129
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Qy 129 uArgThrTyrGlyLeu---ProCyseHis-----CysProPheLysGluGlyTh 144
Db 6903 CAAAAGGTGGGATATATATGCTGCTTTTAAAGGTGGCTGTAGGGACAAACTTTCCAC 6962
Qy 144 rTyrSerLeuProLys-SerGluPheAlaValProAspLeuGluLeuProSer----- 161
Db 6963 CTACTCTTGTCAAGCCAGTGGACCGGTGGTCCAGACATACGGCTAAAGTCAAGAGGTG 7022
Qy 162 -----TrpLeuThrThrGlyAsnTyrArgIleGluSerValLeuSerSerGlyL 179
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US-09-909-547-7
; Sequence 7, Application US/09909547
; Patent No. 6579852
; GENERAL INFORMATION:
; APPLICANT: Fruehbeis, Joachim
; APPLICANT: Erickson, Mary Ruth
; APPLICANT: Yen, Frances
; APPLICANT: Bihain, Bernard
; TITLE OF INVENTION: ORG3 Globular Head and Uses Thereof for Decreasing Body Mass
; FILE REFERENCE: 76 US6.CIP
; CURRENT APPLICATION NUMBER: US/09/909,547
; PRIOR FILING DATE: 2001-07-19
; PRIOR APPLICATION NUMBER: US 09/776,976
; PRIOR FILING DATE: 2001-02-05
; PRIOR APPLICATION NUMBER: US 09/758,055
; PRIOR FILING DATE: 2001-01-10
; PRIOR APPLICATION NUMBER: US 60/299,881
; PRIOR FILING DATE: 2000-09-01
; PRIOR APPLICATION NUMBER: US 60/198,087
; PRIOR FILING DATE: 2000-04-13
; PRIOR APPLICATION NUMBER: US 60/176,228
; PRIOR FILING DATE: 2000-01-14
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: Patent.pm
; SEQ ID NO 7
; LENGTH: 20966
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 1..4811
; OTHER INFORMATION: 5' regulatory region
; NAME/KEY: exon
; LOCATION: 4812..4851
; OTHER INFORMATION: exon 1
; NAME/KEY: exon
; LOCATION: 15144..15365
; OTHER INFORMATION: exon 2
; NAME/KEY: exon
; LOCATION: 16277..20559
; OTHER INFORMATION: exon 3
; NAME/KEY: misc feature
; LOCATION: 20560..20966
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; NAME/KEY: allele
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; NAME/KEY: allele
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; NAME/KEY: primer_bind
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; OTHER INFORMATION: 9-27.pu
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; LOCATION: 3928..3946
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; OTHER INFORMATION: 99-14387.rp complement
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; LOCATION: 15759..15776
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; LOCATION: 16982..17001
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; NAME/KEY: primer_bind
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; OTHER INFORMATION: 9-16.rp complement
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; OTHER INFORMATION: 9-27-261.probe
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; OTHER INFORMATION: 17-33-TGAGACT.mis complement
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; LOCATION: (4812)..(4851)
; OTHER INFORMATION:
; NAME/KEY: exon
; LOCATION: (15144)..(15365)
; OTHER INFORMATION:
; NAME/KEY: exon
; LOCATION: (16277)..(20559)
; OTHER INFORMATION:
; NAME/KEY: misc feature
; LOCATION: (20560)..(20966)
; OTHER INFORMATION: 3' regulatory region

Alignment Scores:
Pred. No.:      13.9      Length:      20966
Score:          97.50     Matches:      57
Percent Similarity: 41.8%   Conservative: 24
Best Local Similarity: 29.4% Mismatches:      72
Query Match:      9.6%     Indels:       41
DB:              3        Gaps:        10

US-10-030-937-9 (1-193) x US-09-569-852B-1 (1-20966)

Qy 19 ThrProAlaGlnAla-----HisLeuLysLysProSerGlnLeuSerSer 33
Db 6579 ACTCAGCCCTGGGCAAAAGACGAAATCTCATCTCAAAAAAATAAGACACA 6638
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Db 6639 AGACTGGCTCTTCTCTTTTGGGA-----CAGGCTCTCCTCTA 6680
Qy 54 GluProAspProIleValProGlyAsnValThr-----LeuSerValVal 69
Db 6681 TCACCC---AGGCTGGAGTGCAGTGGTGAATCACAGCTCAGCTGAGCTCGATTTCCCA 6737
Qy 70 GlySerThrSerValProLeuSerSer-ProLeuLysValAspLeuValLysGly 89
Db 6738 GGCTCAAGTACCCCTCCATCTTAGCCCTCTAGTAGCTGAGTACAGGTGTGTGCAAC 6797
Qy 89 uValAlaGlyLeuTrpIleLysIleProCysThrAspTyrIleGlySerCysThrPheGly 109
Db 6798 CATCCCTGGCTAAATTTTAAAAATTTTGTAGAGATGAGGTCTCACTA-----6846
Qy 109 uHisPheCysAspValLeuAspMetLeuIleProThrGlyGluProCysProGluProLe 129
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Qy 129 uArgThrTyrGlyLeu---ProCysHis-----CysProPheLysGluGlyTh 144
Db 6903 CAAAGGCTGGGATATATGCTGCTCTTTTAAAGTGGCTGTAGGGACAAACTTTCCAC 6962
Qy 144 rTyrSerLeuProLys-SerGluPheAlaValProAspLeuGluLeuProSer-----161
Db 6963 CTACTCTTTGTACAGCCAGTGGACCGGTGGTCCAGACATACGGCTAAAGTCAAGAGGTG 7022
Qy 162 -----TrpLeuThrThrGlyAsnTyrArgIleGluSerValLeuSerSerSerGlyL 179
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Db 7023 ATGCTCTTTGGAGAGATACTTTCAATCAGGAATTTCAATCAGAAATTCATCATGTGGAG 7082
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Db 7083 AGAGACTTATCTCTAAATAATGTGGTGGTGGGATGC 7120

RESULT 4
US-09-949-016-12075
; Sequence 12075, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12075
; LENGTH: 9950
; TYPE: DNA
; ORGANISM: Human
; US-09-949-016-12075

Alignment Scores:
Pred. No.:      16.6      Length:      9950
Score:          92.50     Matches:      50
Percent Similarity: 36.5%   Conservative: 30
Best Local Similarity: 22.8% Mismatches:      78
Query Match:      9.1%     Indels:       61
DB:              3        Gaps:        11

US-10-030-937-9 (1-193) x US-09-949-016-12075 (1-9950)

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Db 4397 CTCTCTCTGCCCCCTTGTGTC-----ACCTCCCT 4426
Qy 24 HisLeuLysLysProSerGlnLeu-----SerSerPheSerTrpAsp 37
Db 4427 AACTATGGGTCCCAACACAGGTTCCTCGGACGAGTGGCTACGTCATTTGTGGGTC 4486
Qy 38 AsnCysPheGluGlyLysAspProAlaValIleArgSerLeuThrLeuGluProAspPro 57
Db 4487 TCATGTTCT-----GACCCCTTATATTGCTGGCAGCCTCACAGCTGCCATCACC 4537
Qy 58 IleValVal-----60
Db 4538 CTCTCTGTTCTCCCGTGGCTTCCAGCGTCATTGCGGCGCTTCCCTCTCTCTCCGGCTA 4597
Qy 61 ---ProGlyAsnValThrLeuSerValValGlySerThrSerValProLeuSerSerPro 79
Db 4598 AGCCCACTTGCTGGGTTCCTGAGCGCTCTCAGCTCATCA-----CCTTATCTGCTCCT 4651
Qy 80 -----LeuLysValAspLeuValLeuGlyLysGluValAlaGlyLeuTrpIleLys 96
Db 4652 TAGCACTCTTATGAGCAGACCATCTCTGAAATTTCTTCTGCCTCC-----4696
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Qy 117 MetLeuIleProThrGlyGluProCysProGluProLeuArgThrTyr-----132
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QY 133 -----GlyLeuProCysHisCysProPheLysGluGlyThrTySerLeuProLys 149
Db 4814 TCAGAGTGGGCTGCCCTCGCCCTGCTGTGTGGGACCCGGCTTTCCTCACT 4873
QY 150 SerGluPheAlaValProAspLeuGluLeuProSerTrpLeuThrThrGlyAsn----- 167
Db 4874 GCCAAGTGGACTCCTCCTGGG---GGAGGCCCTGACCTCCTGGTGGAGACAATGGC 4930
QY 168 -----TyrArgIleGluSerValLeuSerSerGlyLysArgLeuGlyCys 183
Db 4931 GACTTTTACCCTTCGACTAGAGGATGTGAGCCAGGCCCGGCTGGGACCTACACCTGC 4987

RESULT 5
US-09-949-016-14226
; Sequence 14226, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14226
; LENGTH: 9950
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-14226

Alignment Scores:
Pred. No.: 16.6 Length: 9950
Score: 92.50 Matches: 50
Percent Similarity: 36.5% Conservative: 30
Best Local Similarity: 22.8% Mismatches: 78
Query Match: 9.1% Indels: 61
DB: 3 Gaps: 11

US-10-030-937-9 (1-193) x US-09-949-016-14226 (1-9950)
QY 4 LeuMetGlnAlaProLeuLeuAlaLeuGlyLeuLeuAlaThrProAlaGlnAla 23
Db 4397 CTCCTTCTGCCCCCTTGTC-----ACCTCCCT 4426

QY 24 HisLeuLysLysProSerGlnLeu-----SerSerPheSerTrpAsp 37
Db 4427 AACTATGGTCCCAACAGGTTCTCGCAGCAGTGGCTACGTCTTCTGTGGTGC 4486

QY 38 AenCysPheGluGlyLysAspProAlaValIleArgSerLeuThrLeuGluProAspPro 57
Db 4487 TCACATGTTTC-----GACCCCTTATATTGCTGGCAGCCTCACAGTGCACATCCC 4537

QY 58 IleValVal----- 60
Db 4538 CTTCTTGCTTCNCCGTCGCTTCAGCGCTCATTCGCGCTTCCTCTCTCCGGCTA 4597

QY 61 ---ProGlyAsnValThrLeuSerValValGlySerThrSerValProLeuSerSerPro 79
Db 4598 AGCCCACTTGCTGGGTTCTGAGCCCTCTCAGCTCATCA-----CCTATTCTGCTCCT 4651

QY 80 -----LeuLysValAspLeuValLeuGluLysGluValAlaGlyLeuTrpLys 96
Db 4652 TAGCACTCTTATGAGCCAGACCATCTCTGAATTCTTCTGCTCC----- 4696

QY 97 IleProCysThrAspTyrIleGlySerCysThrPheGluHisPheCysAspValLeuAsp 116
```

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Db 4697 CTTCTTCGACCCCGCCAGCAGCTCCCTCC---CCACTGCAGCACCCAGCTTTAACTTTGGGT 4753
QY 117 MetLeuIleProThrGlyGluProCysProGluProLeuA: gThrTy----- 132
Db 4754 TTTCTTTCTCTTCAGGTCTGGAGCCCAACTCCCTTTGACAGTGTACGCTGGAGCAGGT 4813
QY 133 -----GlyLeuProCysHisCysProPheLysGluGlyThrTySerLeuProLys 149
Db 4814 TCAGAGTGGGCTGCCCTCGCCCTGCTGTGTGGGACCCGGCTTTCCTCACT 4873
QY 150 SerGluPheAlaValProAspLeuGluLeuProSerTrpLeuThrThrGlyAsn----- 167
Db 4874 GCCAAGTGGACTCCTCCTGGG---GGAGGCCCTGACCTCCTGGTGGAGACAATGGC 4930
QY 168 -----TyrArgIleGluSerValLeuSerSerGlyLysArgLeuGlyCys 183
Db 4931 GACTTTTACCCTTCGACTAGAGGATGTGAGCCAGGCCCGGCTGGGACCTACACCTGC 4987

RESULT 6
US-09-949-016-11990
; Sequence 11990, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11990
; LENGTH: 99748
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-11990

Alignment Scores:
Pred. No.: 766 Length: 99748
Score: 92.00 Matches: 52
Percent Similarity: 40.2% Conservative: 22
Best Local Similarity: 28.3% Mismatches: 56
Query Match: 9.0% Indels: 54
DB: 3 Gaps: 12

US-10-030-937-9 (1-193) x US-09-949-016-11990 (1-99748)
QY 5 MetGlnAlaProLeuLeuAlaLeuGlyLeuLeuAlaThrProAlaGlnAlaHis 24
Db 77933 CTGGCTCAGCTCTCTGTGTTCTCGGTCTCTCTCCAGCTCCTCCTCTGTT--- 77989
QY 25 LeuLysLysProSerGlnLeuSerSerPheSerTrpAspAsnCysPheGluGlyLysAsp 44
Db 77990 -----CCTCGCTCACTCTCTCCAGCTCA-----CCC 78016

QY 45 ProAlaValIleArgSerLeuThrLeuGluProAspProIleValValProGlyAsnVal 64
Db 78017 CCTCTGGTTCCTCGCTCACTCTCTCTGGCCCTCAGCTCTCTG---ATTCTGGCTCACT 78073
QY 65 -----ThrLeuSerValValGlySerThrSerVal 74
Db 78074 TCTCCAGCTTCACCCCTCGGTTCTCGCTCACTATCTCCAGTCTCAACCTCTCTGTT 78133
QY 75 Pro-LeuSerSerProLeuLysValAspLeuValLeuGluLysGluValAlaGlyLeu 94
Db 78134 CTGGCTCACTTCTCCAGCTCACTG-----GCCTTCTCACTGT 78172
```

Qy 94 rpileLysileProCysThrAspTyr---IleGlySerCys-----ThrPheGluH 110
 Db 78173 GCTGACACACCGTGTATTCTCATGAACCTGSCATGTGCCATTCCTCTGCCAGGAAC 78232
 Qy 110 isPheCysAspValLeuAspMetLeulleProThr-----GlyGluProCysProG 127
 Db 78233 ATTTTC-----CTGCCAAAGCCTCCCATGGCTCACTCTGCCCTG 78271
 Qy 127 luProLeuArgThrTyrGlyLeuProCysHisCysProPheLysGluGlyThrTyrSerL 147
 Db 78272 TACACTGTGCCCCACTGTCTATGTCCTGCCAC---CCTGTCTAGGTTCCTTAGTCCT 78328
 Qy 147 euProLysSerGluPheAlaVal-----ProAspLeu-----GluLeuP 160
 Db 78329 TGCACCATCAGACACAGCACTGTGCCACCTGAGCTGATCTCCTCGCCAGTCAGCTCC 78388
 Qy 160 roSerTrp 162
 Db 78389 CAGGGTGG 78396

RESULT 7

US-09-949-016-16518
 ; Sequence 16518, Application US/09949016
 ; Patent No. 6812339
 ; GENERAL INFORMATION:
 ; APPLICANT: VENTER, J. Craig et al.
 ; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
 ; FILE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
 ; FILE REFERENCE: CL001307
 ; CURRENT APPLICATION NUMBER: US/09/949,016
 ; PRIOR FILING DATE: 2000-04-14
 ; PRIOR APPLICATION NUMBER: 60/241,755
 ; PRIOR FILING DATE: 2000-10-20
 ; PRIOR APPLICATION NUMBER: 60/237,768
 ; PRIOR FILING DATE: 2000-10-03
 ; PRIOR APPLICATION NUMBER: 60/231,498
 ; PRIOR FILING DATE: 2000-09-08
 ; NUMBER OF SEQ ID NOS: 207012
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 16518
 ; LENGTH: 99749
 ; TYPE: DNA
 ; ORGANISM: Human
 ; ORGANISM: Human
 US-09-949-016-16518

Alignment Scores:
 Pred. No.: 766 Length: 99749
 Score: 92.00 Matches: 52
 Percent Similarity: 40.2% Conservative: 22
 Best Local Similarity: 28.3% Mismatches: 56
 Query Match: 9.0% Indels: 54
 DB: 3 Gaps: 12

US-10-030-937-9 (1-193) x US-09-949-016-16518 (1-99749)

Qy 5 MetGlnAlaProLeuLeulleAlaLeuGlyLeuLeuAlaThrProAlaGlnAlaHis 24
 Db 77933 CTGGCCTCACCTCTCTGTGTTCTGGTCTCATCTCTCCAGGCTCACCTCTCTGGTT--- 77989
 Qy 25 LeuLysLysProSerGlnLeuSerSerPheSerTrpAspAsnCysPheGluGlyLysAsp 44
 Db 77990 -----CCTCGTCACTCTCTCCAGCTCA-----CCC 78016
 Qy 45 ProAlaValIleArgSerLeuThrLeuGluProAspProIleValProGlyAsnVal 64
 Db 78017 CCTGTGTTCTCGTCACTCTCTCTGGCTCAGCTCCTCTG-----ATTCTGGCTCACTC 78073
 Qy 65 -----ThrLeuSerValValGlySerThrSerVal 74
 Db 78074 TCTCCAGCTTCACCCCTCCGGTTCCTGGCTCACTATCTCCAGTCTCAACCTCTCTGTT 78133
 Qy 75 Pro--LeuSerSerProLeuLysValAspLeuValLeuGluLysGluValAlaGlyLeuT 94

Db 78134 CTGGGCTCACTCTCTCCAGCCTCACTG-----GCCCTCTCACTGT 78172
 Qy 94 rpileLysileProCysThrAspTyr---IleGlySerCys-----ThrPheGluH 110
 Db 78173 GCTGACACACCGTGTATTCTCATGAACCTGSCATGTGCCATTCCTCTGCCAGGAAC 78232
 Qy 110 isPheCysAspValLeuAspMetLeulleProThr-----GlyGluProCysProG 127
 Db 78233 ATTTTC-----CTGCCAAAGCCTCCCATGGCTCACTCTGCCCTG 78271
 Qy 127 luProLeuArgThrTyrGlyLeuProCysHisCysProPheLysGluGlyThrTyrSerL 147
 Db 78272 TACACTGTGCCCCACTGTCTATGTCCTGCCAC---CCTGTCTAGGTTCCTTAGTCCT 78328
 Qy 147 euProLysSerGluPheAlaVal-----ProAspLeu-----GluLeuP 160
 Db 78329 TGCACCATCAGACACAGCACTGTGCCACCTGAGCTGATCTCCTCGCCAGTCAGCTCC 78388
 Qy 160 roSerTrp 162
 Db 78389 CAGGGTGG 78396

RESULT 8

US-09-949-002-593
 ; Sequence 593, Application US/09949002
 ; Patent No. 6900016
 ; GENERAL INFORMATION:
 ; APPLICANT: VENTER, J. Craig et al.
 ; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
 ; FILE OF INVENTION: WITH INFLAMMATORY AUTOIMMUNE DISEASE, METHODS OF DETECTION
 ; FILE REFERENCE: CL000790
 ; CURRENT APPLICATION NUMBER: US/09/949,002
 ; CURRENT FILING DATE: 2000-01-28
 ; PRIOR APPLICATION NUMBER: 60/231,401
 ; PRIOR FILING DATE: 2000-09-08
 ; NUMBER OF SEQ ID NOS: 10823
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 593
 ; LENGTH: 34677
 ; TYPE: DNA
 ; ORGANISM: Human
 ; ORGANISM: Human
 US-09-949-002-593

Alignment Scores:
 Pred. No.: 162 Length: 34677
 Score: 91.50 Matches: 50
 Percent Similarity: 39.8% Conservative: 24
 Best Local Similarity: 26.9% Mismatches: 64
 Query Match: 9.0% Indels: 48
 DB: 3 Gaps: 11

US-10-030-937-9 (1-193) x US-09-949-002-593 (1-34677)

Qy 14 GlyLeuLeuLeuAlaThrProAlaGlnAlaHisLeuLysLysProSerGlnLeuSerSer 33
 Db 25226 GGAATCCTCTGTCTTCCTGCCCTGCAG---TGAGTGATGAGGGCTTCACCTGTTACTTCT 25282
 Qy 34 PheSerTrpAspAsnCysPheGluGlyLysAspProAlaValIleArgSer----- 50
 Db 25283 TTTTTTTTTTTTTTTTTTTTGGACAGAGCTCTGTCTGTGCCAGGCTGGGAATGCAG 25342
 Qy 51 -----LeuThrLeuGluProAspProIleValValProGlyAsnValThrLeu 66
 Db 25343 TGGCACAATCTAGATTCACTTCAACCTCCACCT-----CCCGGTTCAACGGATTC 25393
 Qy 67 SerValValGlySerThrSer-----ValProLeuSerSerProLeu 80
 Db 25394 TCTGCTCAACCTCCCGAGTAGCTGGAGCATATAGTTGTGTGCCA-----CCATGC 25444
 Qy 81 LysValAspLeu---ValLeuGluLysGluValAlaGlyLeu-----TrpIle 95

Db 25445 CTAGTAACTTTTGTATTTTAGTAGACGGGGTTTCACATGTTGGCCAGGCTGGTAT 25504
Qy 96 LysilePro-----CysThrAspTyrfile 103
Db 25505 CGAACTCTGACCTCAAGTGATCCGGCCACCTTGGCCCTCCCAAGTGCTGGATTACAGG 25564
Qy 104 GlySerCysThrPheGluHicPheCysAspVal-LeuAspMet-----LeuileProth 121
Db 25565 TGTTCCTTTACTTT---CATTTTGGCTTATGCTTCAATTAGCCACTCTCTCCAGATT 25621
Qy 121 rGlyLeuProCysProGluProLeuArgThrTyrGlyLeuProCysHisCysProPheLy 141
Db 25622 AGCTGAGCCCTTGACAGATGATGCTGACA-----CCCATCAG 25660
Qy 141 sGlyGlyThrTyrSerLeuProLysSerGluPheAlaValProAspLeuGluLeuProSe 161
Db 25661 AGAAGGCTGATGCTCCTGGAAGGACACAAGAGAAGTGACAGACCTTACAGCCCGCT 25720
Qy 161 rTyrLeuThrThrGly 166
Db 25721 CTGGCCTTTGGCAGGA 25736
RESULT 9
US-09-949-016-14157/c
; Sequence 14157, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14157
; LENGTH: 455726
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)-(455726)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14157
Alignment Scores:
Pred. No.: 1.15e+04 Length: 455726
Score: 91.00 Matches: 51
Percent Similarity: 37.5% Conservative: 21
Best Local Similarity: 26.6% Mismatches: 77
Query Match: 8.9% Indels: 44
DB: 3 Gaps: 7
US-10-030-937-9 (1-193) x US-09-949-016-14157 (1-455726)
Qy 2 GlnSerLeuMetGlnAlaProLeuLeuLeuAlaLeuGlyLeuLeuAlaThrProAla 21
Db 103381 CAGAGCCTTCAGTTCTCACCCTCTGCTGCTCTCTATCATGAAGCCACACAGCC 103322
Qy 22 GlnAlaHisLeuLysProSerGlnLeu---SerSerPheSerTrpAspAsn----- 38
Db 103321 TCTCACCAGAAAGACAGCCCGCTGCGACCTCTGCTCCATCGGACAATACCCCA 103262
Qy 39 ---CysPheGluGlyLysAspProAlaValIleArgSerLeuThr----- 52
Db 103261 CAGTGTGGGAGGCGCTCGTCCACTTCCACAGACCCCTCTCTCACTCCACTGCAGCC 103202

Qy 53 ---LeuGluProAspProIleVal-LeuProGlyAsnValThrLeuSerValValGlySe 71
Db 103201 TGACTCCGGCCCGCAGCACACAGCTCTGTCTCTCCAAAGCCACGATG----- 103156
Qy 71 rThrSerValProLeuSerProLeuLysValAspLeuValLeuGluLysGluValAl 91
Db 103155 -ACTTCAGG-CTGTTCTCAAGTGGCCCTTTCGATGACACTTTGGCCACCTCACCTCTGGG 103098
Qy 91 aGlyLeuTrpLeuLysIleProCysThrAspTyrIleGlySerCysThrPheGluHicPh 111
Db 103097 GCACGCTGGCCCTCACTCCAGGGGTGGCCACCTGCTCTCCACCTCTCTCCAG----- 103043
Qy 111 eCysAspValLeuAspMetLeuIleProThrGlyGluProCys-ProGluProLeuArgT 131
Db 103042 -----CTCCCTGGCCAGGGCCCTCTCCCCAGCCCTTGCT 103005
Qy 131 hr-----TyrGlyLeuProCysHisCysProPheLysGluGlyThrTyrSerLeuProL 149
Db 103004 GTGGGTTCTCGGGGTCTCTCCACATATCCCAAGGACCTCACCTCTGCTGCTGCTGCTGCT 102945
Qy 149 ysSerGluPheAlaValProAspLeuGluLeu----- 159
Db 102944 TGACTCCCAATTCTGATCCATCTCCAGGGCTCCCTCTCTCTGAGCCCAACACCCACAC 102885
Qy 160 -----ProSerTrpLeuThr 164
Db 102884 CCCACCCCGGGGTCCACCTGGCTGACC 102853
RESULT 10
US-09-949-016-11940/c
; Sequence 11940, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11940
; LENGTH: 481115
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)-(481115)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-11940
Alignment Scores:
Pred. No.: 1.25e+04 Length: 481115
Score: 91.00 Matches: 51
Percent Similarity: 37.5% Conservative: 21
Best Local Similarity: 26.6% Mismatches: 77
Query Match: 8.9% Indels: 44
DB: 3 Gaps: 7
US-10-030-937-9 (1-193) x US-09-949-016-11940 (1-481115)
Qy 2 GlnSerLeuMetGlnAlaProLeuLeuLeuAlaLeuGlyLeuLeuAlaThrProAla 21
Db 80770 CAGAGCCTTCAGTTCTCACCCTCTGCTGCTCTCTATCATGAAGCCACACAGCC 80711
Qy 22 GlnAlaHisLeuLysProSerGlnLeu---SerSerPheSerTrpAspAsn----- 38

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Db 80710 TCTCACCGGAAAGACAGCCCGCCCTCGGAGCCCTCTGCTCCATCGGACAAATACCCCA 80651
Qy 39 ---CysPheGluGlyLysAspProAlaValIleArgSerLeuThr----- 52
Db 80650 CAGTGTGGGGAAGCCCTGGCTGCATCTTCCACAGACCCCTCTCCTCCTCCACTCCGACGCC 80591
Qy 53 ---LeuGluProAspProIleVal-ValProGlyAsnValThrLeuSerValValGlyse 71
Db 80590 TGACTCCGGCCGACACACAGCTGTCTCTGCGCAAGGCCACGATG----- 80545
Qy 71 rThrSerValProLeuSerSerProLeuLysValAspLeuValLeuGluLysGluValAl 91
Db 80544 -ACTTCAGG-CTGTTCCTCAAGTGGCCCTTCTGTATGACACTTGGCCACCTCCTCGG 80487
Qy 91 aGlyLeuTriPheLysIleProCysThrAspTyrIleGlySerCysThrPheGluHisPh 111
Db 80486 GCAGCGCTGGCCCTCATCTCCAGGGTGGCCACCTGCTCTCCACCTCTCTCCAG----- 80432
Qy 111 eCysAspValLeuAspMetLeuIleProThrGlyGluProCys-ProGluProLeuArgT 131
Db 80431 -----CTCCCTGGCGCAGGGCCCTGCTCCCGCAGCCCTTGCT 80394
Qy 131 hr-----TyrGlyLeuProCysHisCysProPheLysGluGlyThrTyrSerLeuProL 149
Db 80393 GTGGGTTCCTCGGGTCCCTCCACATATCCACAAAGGAGCCTCACCTCTGCCATGCCAA 80334
Qy 149 ySerGluPheAlaValProAspLeuGluLeu----- 159
Db 80333 TGACTCCCAATTCGATCCATCTCCAGGGTCCCTTCTCTGAGGCCAACACCCACAC 80274
Qy 160 -----ProSerTrpLeuThr 164
Db 80273 CCCACACCCCGGGTCCACCTCGGTGACC 80242
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RESULT 11

```
US-08-592-126-78
; Sequence 78, Application US/08592126
; Patent No. 5821091
; GENERAL INFORMATION:
; APPLICANT: Gregory Dolganov
; TITLE OF INVENTION: Transcripts Encoding Immunomodulatory
; NUMBER OF INVENTION: Polypeptides
; NUMBER OF SEQUENCES: 151
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Behlinger & Associates
; STREET: 350 Cambridge Avenue, Suite 250
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94306
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/592,126
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Sholtz, Charles K.
; REGISTRATION NUMBER: 38,615
; REFERENCE/DOCKET NUMBER: 4600-0111
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 324-0880
; TELEFAX: (415) 324-0960
; INFORMATION FOR SEQ ID NO: 78:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 890 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA to mRNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: G256.seq
; US-08-592-126-78
Alignment Scores:
Pred. No.: 0.79 Length: 890
Score: 89.50 Matches: 53
Percent Similarity: 39.9% Conservative: 22
Best Local Similarity: 28.2% Mismatches: 67
Query Match: 8.8% Indels: 47
DB: 2 Gaps: 10
US-10-030-937-9 (1-193) x US-08-592-126-78 (1-890)
Qy 3 SerLeuMetGlnAlaProLeuLeuIleAlaLeuGlyLeuLeuLeuAlaThrProAlaGln 22
Db 49 TCCTTTTACCAAGCCCTTA-----CCCATGGGGTGGGTCTCAGGCAGGCCCAAGACAG 102
Qy 23 AlaHisLeuLysLysProSerGlnLeuSerSerPheSer---TrpAspAsnCysPheGlu 41
Db 103 GCCCGTATCAGGAGGCCCTCTCTCTCAGGGGCTGCCCTCTGGGATAAC----- 153
Qy 42 GlyLysAspProAlaValIleArgSerLeuThrLeuGluProAspProIleValValPro 61
Db 154 -----CACCCCGCCCTTCTGGGTTTCCT 177
Qy 62 GlyAsnValThrLeuSerValValGlySerThrSerVal----- 74
Db 178 GCTTCTCTAT---CTGGCTGCAGTTTCTCAGGTCCTTGTGGATTTCCCATGGTCTGTCC 234
Qy 75 ProLeuSerSerProLeuLysValAspLeuValLeuGluLysGluValAlaGlyLeuTrp 94
Db 235 CCACCTACATCCCTCTCTGCAAACTTGCTACTG-----GGCCTGCAC 279
Qy 95 IleLysIleProCysThrAspTyrIleGlySerCysThrPheGluHisPheCysAspVal 114
Db 280 CTGGAAATCCATGCTCAGCACAGCGGGATCAAGACCTCTCAATACAACTGT----- 333
Qy 115 LeuAspMetLeuIleProThrGlyGluProCysProGluProLeuArgThrTyrGlyLeu 134
Db 334 -----CTCCTGCCAAT-----CCCTGCCCCAGCAGCCTGAGGCCAGTCTGAAA 377
Qy 135 ProCysHisCys---ProPheLysGlu-GlyThrTyrSerLeuProLysSerGluPheAl 153
Db 378 CCAGGGAGTTGCTCTCTCTTCTCCTCCCTTGACCTCACCCCTCAGACCATGCCAATTCTG 437
Qy 153 aValProAspLeu-----GluLeuProSerTrpLeuThrThrGlyAs 167
Db 438 CCTCTAAACCTCCAGGCAGGCCCTTCCGCCAGCTCCAGTACAGTGTCTCAGGTAC 497
Qy 167 nTyrArgIleGluSerValLeu 174
Db 498 CTGAGCTCAGCTCTCGGTGCTA 519
RESULT 12
US-09-168-595-78
; Sequence 78, Application US/09168595
; Patent No. 655666
; GENERAL INFORMATION:
; APPLICANT: Gregory Dolganov
; TITLE OF INVENTION: Transcripts Encoding Immunomodulatory
; NUMBER OF INVENTION: Polypeptides
; NUMBER OF SEQUENCES: 151
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Behlinger & Associates
; STREET: 350 Cambridge Avenue, Suite 250
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94306
; COMPUTER READABLE FORM:
; MOLECULE TYPE: cDNA to mRNA
```

```

; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/168,595
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/592,126
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Sholtz, Charles K.
; REGISTRATION NUMBER: 38,615
; REFERENCE/DOCKET NUMBER: 4600-0111
; TELEPHONE: (415) 324-0880
; TELEFAX: (415) 324-0960
; INFORMATION FOR SEQ ID NO: 78:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 890 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA to mRNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: G256.seq
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Qy 167 nTyrArgIleGluSerValLeu 174
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RESULT 13
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; Sequence 5, Application US/07866979
; Patent No. 5532347
; GENERAL INFORMATION:
; APPLICANT: Cone, Roger D
; APPLICANT: Mountjoy, Kathleen G
; TITLE OF INVENTION: Melanocyte Stimulating Hormone Receptor
; TITLE OF INVENTION: and Uses
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Allegritti & Witcoff, Ltd.
; STREET: 10 South Wacker Drive, Suite 3000
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60606
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA: US/07/866,979
; FILING DATE: 19920410
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: No. 5532347nan, Kevin E
; REGISTRATION NUMBER: 35,303
; REFERENCE/DOCKET NUMBER: 92,154
; TELEPHONE: 312-715-1000
; TELEFAX: 312-715-1234
; TELEX: 910-221-5317
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1633 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 462..1415
; FEATURE:
; NAME/KEY: 5'UTR
; LOCATION: 1..461
; FEATURE:
; NAME/KEY: 3'UTR
; LOCATION: 1416..1633
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US-07-866-979-5
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Pred. No.: 2.09 Length: 1633
Score: 89.50 Matches: 49
Percent Similarity: 38.3% Conservative: 21
Best Local Similarity: 26.8% Mismatches: 62
Query Match: 8.8% Indels: 51
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; Sequence 5, Application US/08466906B
; Patent No. 5849871
; GENERAL INFORMATION:
; APPLICANT: Cone, Roger D
; APPLICANT: Mountjoy, Kathleen G
; TITLE OF INVENTION: Melanocyte Stimulating Hormone Receptor
; TITLE OF INVENTION: and Uses
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: McDonnell Boehnen Hulbert & Berghoff
; STREET: 300 South Wacker Drive
; CITY: Chicago
; STATE: IL
; COUNTRY: USA
; ZIP: 60606
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/466,906B
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: No. 5849871nan, Kevin E
; REGISTRATION NUMBER: 35,303
; REFERENCE/DOCKET NUMBER: 92,154-H
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312-913-0001
; TELEFAX: 312-913-0002
; TELEX:
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
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; LENGTH: 1633 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA to mRNA
; FEATURE:
; NAME/KEY: 5'UTR
; LOCATION: 1..461
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 462..1415
; NAME/KEY: 3'UTR
; LOCATION: 1416..1633
US-08-466-906B-5

Alignment Scores:
Pred. No.: 2.09 Length: 1633
Score: 89.50 Matches: 49
Percent Similarity: 38.3% Conservative: 21
Best Local Similarity: 26.8% Mismatches: 62
Query Match: 8.8% Indels: 51
DB: 2 Gaps: 8

US-10-030-937-9 (1-193) x US-08-466-906B-5 (1-1633)
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QY 34 PheSerTrpAspAnCys-----PheGluGlyLysAspProAlaValIleArgSerLeu 51
Db 535 CCAGCTGGGGGTGGCTGGGGGTGGAGTTGAGGAGGCC-----AGAAGTCTT 485
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QY 178 Y 178
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RESULT 15
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; Sequence 5, Application US/08706281A
; Patent No. 6100048
; GENERAL INFORMATION:
; APPLICANT: Cone, Roger D
; APPLICANT: Fan, Wei
```


APPLICANT: Boston, Bruce A
APPLICANT: Resterton, Robert A
APPLICANT: Lu, Dongxi
APPLICANT: Chen, Wenbiao
TITLE OF INVENTION: Methods and Reagents for Discovering and
TITLE OF INVENTION: Using Mammalian Melanocortin Receptor Agonists and Antagonists
TITLE OF INVENTION: To Modulate Feeding Behavior in Animals
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESSES:
ADDRESS: McDonnell Boehnen Hulbert & Berghoff
STREET: 300 South Wacker Drive
CITY: Chicago
STATE: IL
COUNTRY: USA
ZIP: 60606
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/706,281A
FILING DATE: 04-SEP-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: No. 6100048nan, Kevin E
REGISTRATION NUMBER: 35,303
REFERENCE/DOCKET NUMBER: 96,886
TELEPHONE: 312-913-0001
TELEFAX: 312-913-0002
TELEX:
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 1633 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA to mRNA
FEATURE:
NAME/KEY: 5'UTR
LOCATION: 1..461
FEATURE:
NAME/KEY: CDS
LOCATION: 462..1415
FEATURE:
NAME/KEY: 3'UTR
LOCATION: 1416..1633
US-08-706-281A-5

Alignment Scores:
Pred. No.: 2.09 Length: 1633
Score: 89.50 Matches: 49
Percent Similarity: 28.3% Conservative: 21
Best Local Similarity: 26.8% Mismatches: 62
Query Match: 8.8% Indels: 51
DB: 3 Gaps: 8

US-10-030-937-9 (1-193) x US-08-706-281A-5 (1-1633)

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GenCore version 5.1.7
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OM protein - protein search, using sw model

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333.374 Million cell updates/sec

Title: US-10-030-937-9

Perfect score: 193

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Minimum DB seq length: 0

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score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

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| 90 | 7 | 3.6 | 192 | 4 | US-10-767-701-41702 | Sequence 41702, A |
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| 93 | 7 | 3.6 | 207 | 4 | US-10-408-765A-2857 | Sequence 2857, Ap |
| 94 | 7 | 3.6 | 207 | 4 | US-10-437-963-157781 | Sequence 157781, |
| 95 | 7 | 3.6 | 208 | 4 | US-10-424-599-167623 | Sequence 167623, |
| 96 | 7 | 3.6 | 214 | 4 | US-10-424-599-187530 | Sequence 187530, |
| 97 | 7 | 3.6 | 214 | 5 | US-10-739-930-8848 | Sequence 8848, Ap |
| 98 | 7 | 3.6 | 220 | 4 | US-10-437-963-192804 | Sequence 192804, |
| 99 | 7 | 3.6 | 226 | 4 | US-10-369-493-20542 | Sequence 20542, A |
| 100 | 7 | 3.6 | 226 | 5 | US-10-739-930-9018 | Sequence 9018, Ap |

101 7 3.6 235 4 US-10-425-115-292518
102 7 3.6 245 4 US-10-425-115-261476
103 7 3.6 251 4 US-10-437-963-121289
104 7 3.6 252 3 US-09-989-920-204
105 7 3.6 257 4 US-10-425-115-210972
106 7 3.6 265 4 US-10-425-115-355266
107 7 3.6 265 5 US-10-828-559-4
108 7 3.6 266 5 US-10-828-559-78
109 7 3.6 272 4 US-10-369-493-19078
110 7 3.6 275 4 US-10-437-963-160305
111 7 3.6 277 4 US-10-425-114-63552
112 7 3.6 279 4 US-10-425-115-320477
113 7 3.6 285 4 US-10-437-963-188917
114 7 3.6 285 6 US-11-097-143-9366
115 7 3.6 290 4 US-10-424-599-245921
116 7 3.6 293 4 US-10-425-114-64209
117 7 3.6 295 5 US-10-204-921-76
118 7 3.6 296 4 US-10-437-963-183286
119 7 3.6 297 3 US-09-815-242-5149
120 7 3.6 297 4 US-10-282-122A-43496
121 7 3.6 298 4 US-10-156-761-8730
122 7 3.6 298 4 US-10-425-114-52906
123 7 3.6 300 4 US-10-282-122A-68081
124 7 3.6 301 4 US-10-425-114-63860
125 7 3.6 302 4 US-10-425-114-71741
126 7 3.6 310 4 US-10-369-493-22692
127 7 3.6 310 4 US-10-437-963-188237
128 7 3.6 314 5 US-10-828-559-6
129 7 3.6 324 4 US-10-424-599-186373
130 7 3.6 325 3 US-09-768-840-4
131 7 3.6 325 4 US-10-316-253-99
132 7 3.6 326 4 US-10-369-493-18306
133 7 3.6 331 3 US-09-768-840-3
134 7 3.6 331 3 US-09-847-809A-5
135 7 3.6 331 3 US-09-961-403-11
136 7 3.6 331 4 US-10-425-115-230246
137 7 3.6 335 4 US-10-156-761-14525
138 7 3.6 343 4 US-10-437-963-157788
139 7 3.6 346 5 US-10-483-506-5
140 7 3.6 347 4 US-10-437-963-157784
141 7 3.6 347 5 US-10-480-988-14
142 7 3.6 354 6 US-11-097-143-5145
143 7 3.6 361 4 US-10-437-963-131260
144 7 3.6 362 4 US-10-425-115-193147
145 7 3.6 364 3 US-09-933-767-1008
146 7 3.6 364 4 US-10-004-860-1008
147 7 3.6 364 4 US-10-023-282-1008
148 7 3.6 365 4 US-10-437-963-194344
149 7 3.6 367 4 US-10-437-963-131913
150 7 3.6 370 4 US-10-425-115-186575

ALIGNMENTS

RESULT 1
US-10-170-385-389
; Sequence 389, Application US/10170385
; Publication No US20030203372A1
; GENERAL INFORMATION:
; APPLICANT: Ward, Neil Raymond
; APPLICANT: Mundy, Christopher Robert
; APPLICANT: Kan, On
; APPLICANT: Harris, Robert Alan
; APPLICANT: White, Jonathan
; APPLICANT: Binley, Katie Mary
; APPLICANT: Rayner, William Nigel
; APPLICANT: Naylor, Stuart
; APPLICANT: Kingsman, Susan Mary
; APPLICANT: Krige, David
; TITLE OF INVENTION: ANALYSIS METHOD
; FILE REFERENCE: 53268200100
; CURRENT APPLICATION NUMBER: US/10/170,385

Sequence 292518,
Sequence 261476,
Sequence 121289,
Sequence 204, App
Sequence 210972,
Sequence 355266,
Sequence 4, Appli
Sequence 78, Appl
Sequence 19078, A
Sequence 160305,
Sequence 63552, A
Sequence 320477,
Sequence 188917,
Sequence 9366, Ap
Sequence 245921,
Sequence 64209, A
Sequence 76, Appl
Sequence 183286,
Sequence 5149, Ap
Sequence 43496, A
Sequence 8730, Ap
Sequence 52906, A
Sequence 68081, A
Sequence 63860, A
Sequence 71741, A
Sequence 22692, A
Sequence 188237,
Sequence 6, Appli
Sequence 186373,
Sequence 4, Appli
Sequence 99, Appl
Sequence 18306, A
Sequence 3, Appli
Sequence 5, Appli
Sequence 11, Appl
Sequence 230246,
Sequence 14525, A
Sequence 157788,
Sequence 5, Appli
Sequence 157784,
Sequence 14, Appl
Sequence 5145, Ap
Sequence 131260,
Sequence 193147,
Sequence 1008, Ap
Sequence 1008, Ap
Sequence 1008, Ap
Sequence 194344,
Sequence 131913,
Sequence 186575,

; CURRENT FILING DATE: 2002-06-12
; PRIOR APPLICATION NUMBER: PCT/GB02/01662
; PRIOR FILING DATE: 2002-04-08
; PRIOR APPLICATION NUMBER: PCT/GB01/05458
; PRIOR FILING DATE: 2001-12-10
; NUMBER OF SEQ ID NOS: 549
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 389
; LENGTH: 193
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-10-170-385-389

Query Match 58.0%; Score 112; DB 4; Length 193;
Best Local Similarity 100.0%; Pred. No. 2e-99;
Matches 112; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 41 EGKDPAVIRSLTLEPDPVVPGNVTLVVGSTSVPLSSPLKVDLVLEKEVAGLWIKIPCT 100
|||||
Db 41 EGKDPAVIRSLTLEPDPVVPGNVTLVVGSTSVPLSSPLKVDLVLEKEVAGLWIKIPCT 100
|||||
QY 101 DYIGSCTFEHFCVDLMDLIPTGEPCEPLRTYGLPCHCPKCGTYSLPKSEF 152
|||||
Db 101 DYIGSCTFEHFCVDLMDLIPTGEPCEPLRTYGLPCHCPKCGTYSLPKSEF 152
|||||

RESULT 2
US-10-723-860-529
; Sequence 529, Application US/10723860
; Publication No. US20040253606A1
; GENERAL INFORMATION:
; APPLICANT: Aziz, Natasha
; APPLICANT: Ginsburg, Wendy M.
; APPLICANT: Zlotnik, Albert
; TITLE OF INVENTION: Methods for Diagnosis of Soft Tissue Sarcoma, Compositions &
; FILE REFERENCE: 05882.0193.NPUS01
; CURRENT APPLICATION NUMBER: US/10/723,860
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: 60/429,739
; PRIOR FILING DATE: 2002-11-26
; NUMBER OF SEQ ID NOS: 8393
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 529
; LENGTH: 193
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-723-860-529

Query Match 58.0%; Score 112; DB 5; Length 193;
Best Local Similarity 100.0%; Pred. No. 2e-99;
Matches 112; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 41 EGKDPAVIRSLTLEPDPVVPGNVTLVVGSTSVPLSSPLKVDLVLEKEVAGLWIKIPCT 100
|||||
Db 41 EGKDPAVIRSLTLEPDPVVPGNVTLVVGSTSVPLSSPLKVDLVLEKEVAGLWIKIPCT 100
|||||
QY 101 DYIGSCTFEHFCVDLMDLIPTGEPCEPLRTYGLPCHCPKCGTYSLPKSEF 152
|||||
Db 101 DYIGSCTFEHFCVDLMDLIPTGEPCEPLRTYGLPCHCPKCGTYSLPKSEF 152
|||||

RESULT 3
US-10-450-763-31079
; Sequence 31079, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631

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; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 31079
; LENGTH: 193
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-450-763-31079

Query Match      58.0%; Score 112; DB 5; Length 193;
Best Local Similarity 100.0%; Pred. No. 2e-99;
Matches 112; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      41  EGKDPVIRSLTLEPDPPIVPGNVTLTVGSGTSPVLSPLKVDLVLKEVAGLWIKIPCT 100
Db      41  EGKDPVIRSLTLEPDPPIVPGNVTLTVGSGTSPVLSPLKVDLVLKEVAGLWIKIPCT 100

QY      101 DYIGSCTFEHFCVDLMDLIPGTGCPPEPLRTYGLPCHCPFKEGTYSLPKSEF 152
Db      101 DYIGSCTFEHFCVDLMDLIPGTGCPPEPLRTYGLPCHCPFKEGTYSLPKSEF 152

RESULT 4
US-10-450-763-31076
; Sequence 31076, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 31076
; LENGTH: 76
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(76)
; OTHER INFORMATION: Xaa = X or * as defined in Table 2
US-10-450-763-31076

Query Match      38.9%; Score 75; DB 5; Length 76;
Best Local Similarity 100.0%; Pred. No. 4e-64;
Matches 75; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      68  VVGSTSPVLSPLKVDLVLKEVAGLWIKIPCTDYIGSCTFEHFCVDLMDLIPGTGCPPE 127
Db      2   VVGSTSPVLSPLKVDLVLKEVAGLWIKIPCTDYIGSCTFEHFCVDLMDLIPGTGCPPE 61

QY      128 PLRTYGLPCHCPKKE 142
Db      62 PLRTYGLPCHCPKKE 76

RESULT 5
US-09-864-761-34809
; Sequence 34809, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn. Sharron G.

```

QY 142 E 142
Db 61 E 61

RESULT 6

US-10-450-763-31078
; Sequence 31078, Application US/10450763
; Publication No. US20050196754A1

; GENERAL INFORMATION:

; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 31078
; LENGTH: 131
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-450-763-31078

Query Match 8.3%; Score 16; DB 5; Length 131;
Best Local Similarity 100.0%; Pred. No. 5e-07;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 86 LEKEVAGLWKIPCTD 101
Db 30 LEKEVAGLWKIPCTD 45

RESULT 7

US-09-791-378-579
; Sequence 579, Application US/09791378
; Patent No. US20020142303A1

; GENERAL INFORMATION:

; APPLICANT: Parekh, Rajesh
; TITLE OF INVENTION: PROTEINS, GENES AND THEIR USE FOR DIAGNOSIS AND TREATMENT OF SCHIZOPHRENIA
; FILE REFERENCE: 9195-061-999
; CURRENT APPLICATION NUMBER: US/09/791,378
; CURRENT FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 09/750,395
; PRIOR FILING DATE: 2000-12-28
; NUMBER OF SEQ ID NOS: 677
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 579
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-791-378-579

Query Match 5.7%; Score 11; DB 3; Length 11;
Best Local Similarity 100.0%; Pred. No. 0.0035;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 131 TYGLPCHCPFK 141
Db 1 TYGLPCHCPFK 11

RESULT 8

US-09-791-377-579
; Sequence 579, Application US/09791377
; Publication No. US20040110938A1

; GENERAL INFORMATION:
; APPLICANT: Parekh, Rajesh
; TITLE OF INVENTION: PROTEINS, GENES AND THEIR USE FOR DIAGNOSIS AND TREATMENT OF SCHIZOPHRENIA
; FILE REFERENCE: 9195-060-999
; CURRENT APPLICATION NUMBER: US/09/791,377
; CURRENT FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 09/750,395
; PRIOR FILING DATE: 2000-12-28
; NUMBER OF SEQ ID NOS: 677
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 579
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-791-377-579

Query Match 5.7%; Score 11; DB 3; Length 11;
Best Local Similarity 100.0%; Pred. No. 0.0035;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 131 TYGLPCHCPFK 141
Db 1 TYGLPCHCPFK 11

RESULT 9

US-09-765-272-98
; Sequence 98, Application US/09765272
; Patent No. US20020061545A1

; GENERAL INFORMATION:

; APPLICANT: Choi et. al.
; TITLE OF INVENTION: Streptococcus pneumoniae Antigens and Vaccines
; NUMBER OF SEQUENCES: 452
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/765,272
; FILING DATE: 22-Jan-2001
; CLASSIFICATION: <Unknown>

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/961,083

; FILING DATE: <Unknown>

; ATTORNEY/AGENT INFORMATION:

; NAME: Brookes, A. Anders

; REGISTRATION NUMBER: 36,373

; REFERENCE/DOCKET NUMBER: PB340P2

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (301) 309-8504

; TELEFAX: (301) 309-8512

; INFORMATION FOR SEQ ID NO: 98:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 262 amino acids

; TYPE: amino acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: protein

; SEQUENCE DESCRIPTION: SEQ ID NO: 98:

US-09-765-272-98

Query Match 4.7%; Score 9; DB 3; Length 262;
Best Local Similarity 100.0%; Pred. No. 5.3;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 66 LSVVGSTSV 74
| | | | | | | |
Db 155 LSVVGSTSV 163

RESULT 10

US-11-106-649-98
; Sequence 98, Application US/11106649
; Publication No. US20050181439A1
; GENERAL INFORMATION:

; APPLICANT: Choi et al.

; TITLE OF INVENTION: Streptococcus pneumoniae Antigens and Vaccines

; FILE REFERENCE: PB340P2C3D1

; CURRENT APPLICATION NUMBER: US/11/106,649

; CURRENT FILING DATE: 2005-04-15

; PRIOR APPLICATION NUMBER: US 09/765,271

; PRIOR FILING DATE: 2001-01-22

; PRIOR APPLICATION NUMBER: US 09/536,784

; PRIOR FILING DATE: 2000-03-28

; PRIOR APPLICATION NUMBER: US 08/961,083

; PRIOR FILING DATE: 1997-10-30

; PRIOR APPLICATION NUMBER: US 60/029,960

; PRIOR FILING DATE: 1996-10-31

; NUMBER OF SEQ ID NOS: 454

; SOFTWARE: PatentIn version 3.3

; SEQ ID NO 98

; LENGTH: 262

; TYPE: PRT

; ORGANISM: Streptococcus pneumoniae

US-11-106-649-98

Query Match

Best Local Similarity 4.7%; Score 9; DB 6; Length 262;

Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 66 LSVVGSTSV 74

| | | | | | | |

Db 155 LSVVGSTSV 163

RESULT 11

US-09-765-272-206

; Sequence 206, Application US/09765272

; Patent No. US20020061545A1

; GENERAL INFORMATION:

; APPLICANT: Choi et. al.

; TITLE OF INVENTION: Streptococcus pneumoniae Antigens and Vaccines

; NUMBER OF SEQUENCES: 452

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Human Genome Sciences, Inc.

; STREET: 9410 Key West Avenue

; CITY: Rockville

; STATE: Maryland

; COUNTRY: USA

; ZIP: 20850

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage

; COMPUTER: HP Vectra 486/33

; OPERATING SYSTEM: MSDOS version 6.2

; SOFTWARE: ASCII Text

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/765,272

; FILING DATE: 22-Jan-2001

; CLASSIFICATION: <Unknown>

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/961,083

; FILING DATE: <Unknown>

; ATTORNEY/AGENT INFORMATION:

; NAME: Brookes, A. Anders

; REGISTRATION NUMBER: 36,373

; REFERENCE/DOCKET NUMBER: PB340P2

; TELECOMMUNICATION INFORMATION:

; LENGTH: 291

; SEQ ID NO 4348

; LENGTH: 291

; SEQ ID NO 4348

; LENGTH: 291

; SEQ ID NO 4348

; LENGTH: 291

; TELEPHONE: (301) 309-8504

; TELEFAX: (301) 309-8512

; INFORMATION FOR SEQ ID NO: 206:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 270 amino acids

; TYPE: amino acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: protein

; SEQUENCE DESCRIPTION: SEQ ID NO: 206:

US-09-765-272-206

Query Match

Best Local Similarity 4.7%; Score 9; DB 3; Length 270;

Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 66 LSVVGSTSV 74

| | | | | | | |

Db 163 LSVVGSTSV 171

RESULT 12

US-11-106-649-206

; Sequence 206, Application US/11106649

; Publication No. US20050181439A1

; GENERAL INFORMATION:

; APPLICANT: Choi et al.

; TITLE OF INVENTION: Streptococcus pneumoniae Antigens and Vaccines

; FILE REFERENCE: PB340P2C3D1

; CURRENT APPLICATION NUMBER: US/11/106,649

; CURRENT FILING DATE: 2005-04-15

; PRIOR APPLICATION NUMBER: US 09/765,271

; PRIOR FILING DATE: 2001-01-22

; PRIOR APPLICATION NUMBER: US 09/536,784

; PRIOR FILING DATE: 2000-03-28

; PRIOR APPLICATION NUMBER: US 08/961,083

; PRIOR FILING DATE: 1997-10-30

; PRIOR APPLICATION NUMBER: US 60/029,960

; PRIOR FILING DATE: 1996-10-31

; NUMBER OF SEQ ID NOS: 454

; SOFTWARE: PatentIn version 3.3

; SEQ ID NO 206

; LENGTH: 270

; TYPE: PRT

; ORGANISM: Streptococcus pneumoniae

US-11-106-649-206

Query Match

Best Local Similarity 4.7%; Score 9; DB 6; Length 270;

Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 66 LSVVGSTSV 74

| | | | | | | |

Db 163 LSVVGSTSV 171

RESULT 13

US-10-472-928-4348

; Sequence 4348, Application US/10472928

; Publication No. US20050020813A1

; GENERAL INFORMATION:

; APPLICANT: CHIRON SpA

; TITLE OF INVENTION: STREPTOCOCCUS PNEUMONIAE PROTEINS AND NUCLEIC ACIDS

; FILE REFERENCE: P026926WO

; CURRENT APPLICATION NUMBER: US/10/472,928

; CURRENT FILING DATE: 2003-09-26

; PRIOR APPLICATION NUMBER: GB-0107658.7

; PRIOR FILING DATE: 2001-03-27

; NUMBER OF SEQ ID NOS: 4979

; SOFTWARE: SeqWin99, version 1.03

; SEQ ID NO 4348

; LENGTH: 291

; SEQ ID NO 4348

; LENGTH: 291

; SEQ ID NO 4348

; LENGTH: 291

; SEQ ID NO 4348

; LENGTH: 291

; SEQ ID NO 4348

; LENGTH: 291

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; TYPE: PRT
; ORGANISM: Streptococcus pneumoniae
; FEATURE:
; OTHER INFORMATION: phosphate ABC transporter, phosphate-binding protein (psts)
; OTHER INFORMATION: Cellular location: lipoprotein
; OTHER INFORMATION: Similar to strain R6 sequence 15903936 (e-160)
US-10-472-928-4348

Query Match      4.7%; Score 9; DB 5; Length 291;
Best Local Similarity 100.0%; Pred. No. 5.8;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      66 LSVVGSTSV 74
      |||||
Db      184 LSVVGSTSV 192

RESULT 14
US-10-617-320-3318
; Sequence 3318, Application US/10617320
; Publication No. US20050136404A1
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID
; SEQUENCES RELATING TO STREPTOCOCCUS PNEUMONIAE FOR DIAGNOSTIC
; THERAPEUTICS
; NUMBER OF SEQUENCES: 5206
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-ROM ISO9660
; COMPUTER: <Unknown>
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: <Unknown>
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/617,320
; FILING DATE: 10-Jul-2003
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,433
; FILING DATE: 30-Jun-1998
; APPLICATION NUMBER: 60/ 085131
; FILING DATE: May 12, 1998
; APPLICATION NUMBER: 60/051553
; FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ariniello, Pamela Deneke
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-011
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 3318:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 328 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: YES
; ORIGINAL SOURCE:
; ORGANISM: Streptococcus pneumoniae
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (B) LOCATION 1...328
; SEQUENCE DESCRIPTION: SEQ ID NO: 3318:
US-10-617-320-3318

Query Match      4.7%; Score 9; DB 5; Length 328;
Best Local Similarity 100.0%; Pred. No. 6.5;
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Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      66 LSVVGSTSV 74
      |||||
Db      221 LSVVGSTSV 229

RESULT 15
US-09-791-378-578
; Sequence 578, Application US/09791378
; Patent No. US20020142303A1
; GENERAL INFORMATION:
; APPLICANT: Parekh, Rajesh
; TITLE OF INVENTION: PROTEINS, GENES AND THEIR USE FOR DIAGNOSIS AND TREATMENT OF
; SCHIZOPHRENIA
; FILE REFERENCE: 9195-061-999
; CURRENT APPLICATION NUMBER: US/09/791,378
; CURRENT FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 09/750,395
; PRIOR FILING DATE: 2000-12-28
; NUMBER OF SEQ ID NOS: 677
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 578
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-791-378-578

Query Match      4.1%; Score 8; DB 3; Length 8;
Best Local Similarity 100.0%; Pred. No. 1.7e+06;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      89 EVAGLWIK 96
      |||||
Db      1 EVAGLWIK 8

RESULT 16
US-09-791-377-578
; Sequence 578, Application US/09791377
; Publication No. US20040110938A1
; GENERAL INFORMATION:
; APPLICANT: Parekh, Rajesh
; TITLE OF INVENTION: PROTEINS, GENES AND THEIR USE FOR DIAGNOSIS AND TREATMENT OF
; SCHIZOPHRENIA
; FILE REFERENCE: 9195-060-999
; CURRENT APPLICATION NUMBER: US/09/791,377
; CURRENT FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 09/750,395
; PRIOR FILING DATE: 2000-12-28
; NUMBER OF SEQ ID NOS: 677
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 578
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-791-377-578

Query Match      4.1%; Score 8; DB 3; Length 8;
Best Local Similarity 100.0%; Pred. No. 1.7e+06;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      89 EVAGLWIK 96
      |||||
Db      1 EVAGLWIK 8

RESULT 17
US-10-424-599-228216
; Sequence 228216, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
```


; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 228216
; LENGTH: 100
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_48107C.1.p
US-10-424-599-228216

Query Match 4.1%; Score 8; DB 4; Length 100;
Best Local Similarity 100.0%; Pred. No. 20;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 71 STSVPLSS 78
Db 10 STSVPLSS 17
|||||

RESULT 18

US-10-425-115-305353
; Sequence 305353, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 305353
; LENGTH: 110
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_41551C.1.p
US-10-425-115-305353

Query Match 4.1%; Score 8; DB 4; Length 110;
Best Local Similarity 100.0%; Pred. No. 22;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 48 IRSLTLEP 55
Db 19 IRSLTLEP 26
|||||

RESULT 19

US-09-804-014A-37
; Sequence 37, Application US/09804014A
; Publication No. US20030064489A1
; GENERAL INFORMATION:
; APPLICANT: Li, Li
; APPLICANT: Padigar, Muralidhara
; APPLICANT: Vernet, Corine
; APPLICANT: Fernandes, Elma
; APPLICANT: Shinkets, Richard
; APPLICANT: Spaderna, Steven
; APPLICANT: Majumder, Kumud
; TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoding Same
; FILE REFERENCE: 15966-721 US
; CURRENT APPLICATION NUMBER: US/09/804,014A

; CURRENT FILING DATE: 2002-04-24
; PRIOR APPLICATION NUMBER: 60/188,316
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 60/188,277
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 60/189,139
; PRIOR FILING DATE: 2000-03-14
; PRIOR APPLICATION NUMBER: 60/189,140
; PRIOR FILING DATE: 2000-03-14
; PRIOR APPLICATION NUMBER: 60/190,401
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: 60/190,231
; PRIOR FILING DATE: 2000-03-17
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn ver. 2.1
; SEQ ID NO 37
; LENGTH: 170
; TYPE: PRT
; ORGANISM: Bos taurus
US-09-804-014A-37

Query Match 4.1%; Score 8; DB 3; Length 170;
Best Local Similarity 100.0%; Pred. No. 33;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 86 LEKEVAGL 93
Db 107 LEKEVAGL 114
|||||

RESULT 20

US-10-739-930-5722
; Sequence 5722, Application US/10739930
; Publication No. US20040216190A1
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES AND OTHER MOLECULES ASSOCIATED WITH
; FILE REFERENCE: 38-21(53377)B
; CURRENT APPLICATION NUMBER: US/10/739,930
; CURRENT FILING DATE: 2003-12-18
; NUMBER OF SEQ ID NOS: 11088
; SEQ ID NO 5722
; LENGTH: 323
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
; FEATURE:
; OTHER INFORMATION: Clone ID: ARATH-23APR03-C126388_1.p
US-10-739-930-5722

Query Match 4.1%; Score 8; DB 5; Length 323;
Best Local Similarity 100.0%; Pred. No. 59;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 86 LEKEVAGL 93
Db 149 LEKEVAGL 156
|||||

RESULT 21

US-10-756-149-5572
; Sequence 5572, Application US/10756149
; Publication No. US20050181375A1
; GENERAL INFORMATION:
; APPLICANT: Aziz, Natasha
; APPLICANT: Zlotnik, Albert
; TITLE OF INVENTION: NOVEL METHODS OF DIAGNOSIS OF METASTATIC CANCER, COMPOSITIONS AND
; FILE REFERENCE: file
; CURRENT APPLICATION NUMBER: US/10/756,149
; CURRENT FILING DATE: 2004-01-12
; NUMBER OF SEQ ID NOS: 5818
; SOFTWARE: PatentIn version 3.2

; SEQ ID NO 5572
; LENGTH: 390
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-10-756-149-5572

Query Match 4.1%; Score 8; DB 5; Length 390;
Best Local Similarity 100.0%; Pred. No. 69;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 86 LEKEVAGL 93
Db 277 LEKEVAGL 284

RESULT 22

US-10-437-963-119990
; Sequence 119990, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 119990
; LENGTH: 466
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_23152C.1.pep
US-10-437-963-119990

Query Match 4.1%; Score 8; DB 4; Length 466;
Best Local Similarity 100.0%; Pred. No. 82;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 86 LEKEVAGL 93
Db 337 LEKEVAGL 344

RESULT 23

US-10-324-967-36
; Sequence 36, Application US/10324967
; Publication No. US20040122212A1
; GENERAL INFORMATION:
; APPLICANT: Cosson, Pierre
; APPLICANT: Kohler, Thilo
; APPLICANT: Benghezal, Mohammed
; APPLICANT: Marchetti, Anna
; APPLICANT: van Belgen, Christian
; TITLE OF INVENTION: VIRULANCE GENES, PROTEINS, AND THEIR USE
; FILE REFERENCE: 25421-502
; CURRENT APPLICATION NUMBER: US/10/324,967
; CURRENT FILING DATE: 2002-12-20
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 36
; LENGTH: 574
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-10-324-967-36

Query Match 4.1%; Score 8; DB 4; Length 574;
Best Local Similarity 100.0%; Pred. No. 99;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 11 IALGLLLA 18
Db 154 IALGLLLA 161

RESULT 24

US-10-424-599-245422
; Sequence 245422, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 245422
; LENGTH: 589
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_63647C.1.pep
US-10-424-599-245422

Query Match 4.1%; Score 8; DB 4; Length 589;
Best Local Similarity 100.0%; Pred. No. 1e+02;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 45 PAVIRSLT 52
Db 321 PAVIRSLT 328

RESULT 25

US-09-793-708-12
; Sequence 12, Application US/09793708
; Publication No. US20030104597A1
; GENERAL INFORMATION:
; APPLICANT: ASHLEY, Gary
; APPLICANT: BETLACH, Melanie C.
; APPLICANT: BETLACH, Mary C.
; APPLICANT: MGDANIEL, Robert
; APPLICANT: TANG, Li
; TITLE OF INVENTION: RECOMBINANT NARBONOLIDE POLYKETIDE SYNTHASE
; FILE REFERENCE: 300622002121
; CURRENT APPLICATION NUMBER: US/09/793,708
; CURRENT FILING DATE: 2001-02-22
; PRIOR APPLICATION NUMBER: US 09/657,440
; PRIOR FILING DATE: 2000-09-07
; PRIOR APPLICATION NUMBER: US 09/320,878
; PRIOR FILING DATE: 1999-05-27
; PRIOR APPLICATION NUMBER: US 09/141,908
; PRIOR FILING DATE: 1998-08-28
; PRIOR APPLICATION NUMBER: US 09/073,538
; PRIOR FILING DATE: 1998-05-06
; PRIOR APPLICATION NUMBER: US 08/846,247
; PRIOR FILING DATE: 1997-04-30
; PRIOR APPLICATION NUMBER: US 60/134,990
; PRIOR FILING DATE: 1999-05-20
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 12
; LENGTH: 769
; TYPE: PRT
; ORGANISM: Streptomyces venezuelae

US-09-793-708-12

Query Match 4.1%; Score 8; DB 3; Length 769;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 14 GLLLATPA 21
Db 285 GLLLATPA 292

RESULT 26

US-10-201-365-10
; Sequence 10, Application US/10201365
; Publication No. US20030148469A1
; GENERAL INFORMATION:
; APPLICANT: ASHLEY, Gary
; APPLICANT: BETLACH, Melanie C.
; APPLICANT: BETLACH, Mary
; APPLICANT: MCDANIEL, Robert
; APPLICANT: TANG, Li
; TITLE OF INVENTION: COMBINATORIAL POLYKETIDE LIBRARIES PRODUCED USING A MODULAR
; FILE REFERENCE: 300622002103
; CURRENT APPLICATION NUMBER: US/10/201,365
; CURRENT FILING DATE: 2002-07-22
; PRIOR APPLICATION NUMBER: US 09/141,908
; PRIOR FILING DATE: 1998-08-28
; PRIOR APPLICATION NUMBER: US 09/073,538
; PRIOR FILING DATE: 1998-05-06
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10
; LENGTH: 769
; TYPE: PRT
; ORGANISM: Streptomyces venezuelae
US-10-201-365-10

Query Match 4.1%; Score 8; DB 4; Length 769;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 14 GLLLATPA 21
Db 285 GLLLATPA 292

RESULT 27

US-10-160-539-12
; Sequence 12, Application US/10160539
; Publication No. US20030162262A1
; GENERAL INFORMATION:
; APPLICANT: ASHLEY, Gary
; APPLICANT: BETLACH, Melanie C.
; APPLICANT: BETLACH, Mary C.
; APPLICANT: MCDANIEL, Robert
; APPLICANT: TANG, Li
; TITLE OF INVENTION: RECOMBINANT NARBONOLIDE POLYKETIDE SYNTHASE
; FILE REFERENCE: 300622002120
; CURRENT APPLICATION NUMBER: US/10/160,539
; CURRENT FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: US/09/657,440
; PRIOR FILING DATE: 2000-09-07
; PRIOR APPLICATION NUMBER: 09/320,878
; PRIOR FILING DATE: 1999-05-27
; PRIOR APPLICATION NUMBER: CIP 09/141,908
; PRIOR FILING DATE: 1998-08-28
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 12
; LENGTH: 769
; TYPE: PRT
; ORGANISM: Streptomyces venezuelae

US-10-160-539-12

Query Match 4.1%; Score 8; DB 4; Length 769;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 14 GLLLATPA 21
Db 285 GLLLATPA 292

RESULT 28

US-10-468-828-12
; Sequence 12, Application US/10468828
; Publication No. US20050026244A1
; GENERAL INFORMATION:
; APPLICANT: ASHLEY, Gary
; APPLICANT: BETLACH, Melanie C.
; APPLICANT: BETLACH, Mary
; APPLICANT: MCDANIEL, Robert
; APPLICANT: TANG, Li
; TITLE OF INVENTION: RECOMBINANT NARBONOLIDE POLYKETIDE SYNTHASE
; FILE REFERENCE: 300622002104
; CURRENT APPLICATION NUMBER: US/10/468,828
; CURRENT FILING DATE: 2003-08-22
; PRIOR APPLICATION NUMBER: PCT/US02/05642
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: US 09/793,708
; PRIOR FILING DATE: 2001-02-22
; PRIOR APPLICATION NUMBER: US 09/657,440
; PRIOR FILING DATE: 2000-09-07
; PRIOR APPLICATION NUMBER: US 09/320,878
; PRIOR FILING DATE: 1999-05-27
; PRIOR APPLICATION NUMBER: US 09/141,908
; PRIOR FILING DATE: 1998-08-28
; PRIOR APPLICATION NUMBER: US 60/087,080
; PRIOR FILING DATE: 1998-05-28
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 12
; LENGTH: 769
; TYPE: PRT
; ORGANISM: Streptomyces venezuelae
US-10-468-828-12

Query Match 4.1%; Score 8; DB 5; Length 769;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 14 GLLLATPA 21
Db 285 GLLLATPA 292

RESULT 29

US-10-846-335-12
; Sequence 12, Application US/10846335
; Publication No. US20050233431A1
; GENERAL INFORMATION:
; APPLICANT: ASHLEY, Gary
; APPLICANT: BETLACH, Melanie C.
; APPLICANT: BETLACH, Mary C.
; APPLICANT: MCDANIEL, Robert
; APPLICANT: TANG, Li
; TITLE OF INVENTION: RECOMBINANT NARBONOLIDE POLYKETIDE SYNTHASE
; FILE REFERENCE: 300622002121
; CURRENT APPLICATION NUMBER: US/10/846,335
; CURRENT FILING DATE: 2004-05-14
; PRIOR APPLICATION NUMBER: US/09/793,708
; PRIOR FILING DATE: 2001-02-22
; PRIOR APPLICATION NUMBER: US 09/657,440
; PRIOR FILING DATE: 2000-09-07
; PRIOR APPLICATION NUMBER: US 09/320,878

```
; PRIOR FILING DATE: 1999-05-27
; PRIOR APPLICATION NUMBER: US 09/141,908
; PRIOR FILING DATE: 1998-08-28
; PRIOR APPLICATION NUMBER: US 09/073,538
; PRIOR FILING DATE: 1998-05-06
; PRIOR APPLICATION NUMBER: US 08/846,247
; PRIOR FILING DATE: 1997-04-30
; PRIOR APPLICATION NUMBER: US 60/134,990
; PRIOR FILING DATE: 1999-05-20
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 12
; LENGTH: 769
; TYPE: PRT
; ORGANISM: Streptomyces venezuelae
US-10-846-335-12

Query Match
Best Local Similarity 100.0%; Pred. No. 1.3e+02; Length 769;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 14 GLLLATPA 21
Db 285 GLLLATPA 292

RESULT 30
US-09-861-289-24
; Sequence 24, Application US/09861289
; Patent No. US20020110897A1
; GENERAL INFORMATION:
; APPLICANT: Sherman, D.H.
; APPLICANT: Liu, H.
; APPLICANT: Xue, Y.
; APPLICANT: Zhao, L.
; TITLE OF INVENTION: DNA encoding methymycin and pikromycin
; FILE REFERENCE: 600.438US1
; CURRENT APPLICATION NUMBER: US/09/861,289
; CURRENT FILING DATE: 2001-05-18
; PRIOR APPLICATION NUMBER: 09/105,537
; PRIOR FILING DATE: 1998-06-26
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 24
; LENGTH: 809
; TYPE: PRT
; ORGANISM: Streptomyces venezuelae
US-09-861-289-24

Query Match
Best Local Similarity 100.0%; Pred. No. 1.3e+02; Length 809;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 14 GLLLATPA 21
Db 344 GLLLATPA 351

RESULT 31
US-09-860-846-24
; Sequence 24, Application US/09860846
; Patent No. US20020164742A1
; GENERAL INFORMATION:
; APPLICANT: Sherman, D.H.
; APPLICANT: Liu, H.
; APPLICANT: Xue, Y.
; APPLICANT: Zhao, L.
; TITLE OF INVENTION: DNA encoding methymycin and pikromycin
; FILE REFERENCE: 600.438US1
; CURRENT APPLICATION NUMBER: US/09/860,846
; CURRENT FILING DATE: 2001-05-18
; PRIOR APPLICATION NUMBER: 09/105,537
; PRIOR FILING DATE: 1998-06-26
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 24
; LENGTH: 809
; TYPE: PRT
; ORGANISM: Streptomyces venezuelae
US-09-836-821-24

Query Match
Best Local Similarity 100.0%; Pred. No. 1.3e+02; Length 809;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 14 GLLLATPA 21
Db 344 GLLLATPA 351

RESULT 32
US-09-988-384B-24
; Sequence 24, Application US/09988384B
; Publication No. US20030073824A1
; GENERAL INFORMATION:
; APPLICANT: Sherman, D.H.
; APPLICANT: Liu, H.
; APPLICANT: Xue, Y.
; APPLICANT: Zhao, L.
; TITLE OF INVENTION: DNA encoding methymycin and pikromycin
; FILE REFERENCE: 600.536US1
; CURRENT APPLICATION NUMBER: US/09/988,384B
; CURRENT FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: PCT/US99/14398
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: US 09/105,537
; PRIOR FILING DATE: 1998-06-26
; NUMBER OF SEQ ID NOS: 53
; SEQ ID NO 24
; LENGTH: 809
; TYPE: PRT
; ORGANISM: Streptomyces venezuelae
US-09-988-384B-24

Query Match
Best Local Similarity 100.0%; Pred. No. 1.3e+02; Length 809;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 14 GLLLATPA 21
Db 344 GLLLATPA 351

RESULT 33
US-09-836-821-24
; Sequence 24, Application US/09836821
; Publication No. US20030087405A1
; GENERAL INFORMATION:
; APPLICANT: Sherman, D.H.
; APPLICANT: Liu, H.
; APPLICANT: Xue, Y.
; APPLICANT: Zhao, L.
; TITLE OF INVENTION: DNA encoding methymycin and pikromycin
; FILE REFERENCE: 600.438US1
; CURRENT APPLICATION NUMBER: US/09/836,821
; CURRENT FILING DATE: 2001-04-17
; PRIOR APPLICATION NUMBER: 09/105,537
; PRIOR FILING DATE: 1998-06-26
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 24
; LENGTH: 809
; TYPE: PRT
; ORGANISM: Streptomyces venezuelae
US-09-836-821-24
```

Query Match 4.1%; Score 8; DB 3; Length 809;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 14 GLLATPA 21
| | | | |
Db 344 GLLATPA 351

RESULT 34
US-10-271-889-24
; Sequence 24, Application US/10271889
; Publication No. US20030194784A1
; GENERAL INFORMATION:
; APPLICANT: Sherman, D.H.
; APPLICANT: Liu, H.
; APPLICANT: Xue, Y.
; APPLICANT: Zhao, L.
; TITLE OF INVENTION: DNA Encoding Methymycin and Pikromycin
; FILE REFERENCE: 600.582US1
; CURRENT APPLICATION NUMBER: US/10/271.889
; CURRENT FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: US 09/861,289
; PRIOR FILING DATE: 2001-05-18
; PRIOR APPLICATION NUMBER: US 09/860,846
; PRIOR FILING DATE: 2001-05-18
; PRIOR APPLICATION NUMBER: US 09/836,821
; PRIOR FILING DATE: 2001-04-17
; PRIOR APPLICATION NUMBER: US 09/105,537
; PRIOR FILING DATE: 1998-06-26
; NUMBER OF SEQ ID NOS: 55
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 24
; LENGTH: 809
; TYPE: PRT
; ORGANISM: Streptomyces venezuelae
US-10-271-889-24

Query Match 4.1%; Score 8; DB 4; Length 809;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 14 GLLATPA 21
| | | | |
Db 344 GLLATPA 351

RESULT 35
US-10-398-605-24
; Sequence 24, Application US/10398605
; Publication No. US20040161839A1
; GENERAL INFORMATION:
; APPLICANT: Liu, H.
; APPLICANT: Sherman, D.H.
; APPLICANT: Zhao, L.
; APPLICANT: Regents of the University of Minnesota
; TITLE OF INVENTION: Method to alter sugar moieties
; FILE REFERENCE: 600.475US1
; CURRENT APPLICATION NUMBER: US/10/398,605
; CURRENT FILING DATE: 2003-04-04
; PRIOR APPLICATION NUMBER: PCT/US01/31255
; PRIOR FILING DATE: 2001-10-05
; PRIOR APPLICATION NUMBER: US 60/238,185
; PRIOR FILING DATE: 2000-10-05
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 24
; LENGTH: 809
; TYPE: PRT
; ORGANISM: Streptomyces venezuelae
US-10-398-605-24

Query Match 4.1%; Score 8; DB 4; Length 809;

Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 14 GLLATPA 21
| | | | |
Db 344 GLLATPA 351

RESULT 36
US-10-437-963-186215
; Sequence 186215, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 186215
; LENGTH: 1308
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_83034C.1.pep
US-10-437-963-186215

Query Match 4.1%; Score 8; DB 4; Length 1308;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 170 IESVSSS 177
| | | | |
Db 493 IESVSSS 500

RESULT 37
US-09-861-289-4
; Sequence 4, Application US/09861289
; Patent No. US20020110897A1
; GENERAL INFORMATION:
; APPLICANT: Sherman, D.H.
; APPLICANT: Liu, H.
; APPLICANT: Xue, Y.
; APPLICANT: Zhao, L.
; TITLE OF INVENTION: DNA encoding methymycin and pikromycin
; FILE REFERENCE: 600.438US1
; CURRENT APPLICATION NUMBER: US/09/861,289
; CURRENT FILING DATE: 2001-05-18
; PRIOR APPLICATION NUMBER: 09/105,537
; PRIOR FILING DATE: 1998-06-26
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 4
; LENGTH: 3782
; TYPE: PRT
; ORGANISM: Streptomyces venezuelae
US-09-861-289-4

Query Match 4.1%; Score 8; DB 3; Length 3782;
Best Local Similarity 100.0%; Pred. No. 5.4e+02;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 14 GLLATPA 21
| | | | |

```
Db      1409 GLLLATPA 1416

RESULT 38
US-09-860-846-4
; Sequence 4, Application US/09860846
; Patent No. US20020164742A1
; GENERAL INFORMATION:
; APPLICANT: Sherman, D.H.
; APPLICANT: Liu, H.
; APPLICANT: Xue, Y.
; APPLICANT: Zhao, L.
; TITLE OF INVENTION: DNA encoding methymycin and pikromycin
; FILE REFERENCE: 600.438US1
; CURRENT APPLICATION NUMBER: US/09/860,846
; PRIOR FILING DATE: 2001-05-18
; PRIOR APPLICATION NUMBER: 09/105,537
; PRIOR FILING DATE: 1998-06-26
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 4
; LENGTH: 3782
; TYPE: PRT
; ORGANISM: Streptomyces venezuelae
US-09-860-846-4

Query Match      4.1%; Score 8; DB 3; Length 3782;
Best Local Similarity 100.0%; Pred. No. 5.4e+02;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      14 GLLLATPA 21
Db      1409 GLLLATPA 1416

RESULT 39
US-09-988-384B-4
; Sequence 4, Application US/09988384B
; Publication No. US20030073824A1
; GENERAL INFORMATION:
; APPLICANT: Sherman, D.H.
; APPLICANT: Liu, H.
; APPLICANT: Xue, Y.
; APPLICANT: Zhao, L.
; TITLE OF INVENTION: DNA encoding methymycin and pikromycin
; FILE REFERENCE: 600.536US1
; CURRENT APPLICATION NUMBER: US/09/988,384B
; CURRENT FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: PCT/US99/14398
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: US 09/105,537
; PRIOR FILING DATE: 1998-06-26
; NUMBER OF SEQ ID NOS: 53
; SEQ ID NO 4
; LENGTH: 3782
; TYPE: PRT
; ORGANISM: Streptomyces venezuelae
US-09-988-384B-4

Query Match      4.1%; Score 8; DB 3; Length 3782;
Best Local Similarity 100.0%; Pred. No. 5.4e+02;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      14 GLLLATPA 21
Db      1409 GLLLATPA 1416

RESULT 40
US-09-836-821-4
; Sequence 4, Application US/09836821
; Publication No. US20030087405A1
; GENERAL INFORMATION:
; APPLICANT: Sherman, D.H.
; APPLICANT: Liu, H.
; APPLICANT: Xue, Y.
; APPLICANT: Zhao, L.
; TITLE OF INVENTION: DNA encoding methymycin and pikromycin
; FILE REFERENCE: 600.438US1
; CURRENT APPLICATION NUMBER: US/09/836,821
; CURRENT FILING DATE: 2001-04-17
; PRIOR APPLICATION NUMBER: 09/105,537
; PRIOR FILING DATE: 1998-06-26
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 4
; LENGTH: 3782
; TYPE: PRT
; ORGANISM: Streptomyces venezuelae
US-09-836-821-4

Query Match      4.1%; Score 8; DB 3; Length 3782;
Best Local Similarity 100.0%; Pred. No. 5.4e+02;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      14 GLLLATPA 21
Db      1409 GLLLATPA 1416

RESULT 41
US-10-271-889-47
; Sequence 47, Application US/10271889
; Publication No. US20030194784A1
; GENERAL INFORMATION:
; APPLICANT: Sherman, D.H.
; APPLICANT: Liu, H.
; APPLICANT: Xue, Y.
; APPLICANT: Zhao, L.
; TITLE OF INVENTION: DNA Encoding Methymycin and Pikromycin
; FILE REFERENCE: 600.582US1
; CURRENT APPLICATION NUMBER: US/10/271,889
; CURRENT FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: US 09/861,289
; PRIOR FILING DATE: 2001-05-18
; PRIOR APPLICATION NUMBER: US 09/860,846
; PRIOR FILING DATE: 2001-05-18
; PRIOR APPLICATION NUMBER: US 09/836,821
; PRIOR FILING DATE: 2001-04-17
; PRIOR APPLICATION NUMBER: US 09/105,537
; PRIOR FILING DATE: 1998-06-26
; NUMBER OF SEQ ID NOS: 55
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 47
; LENGTH: 3782
; TYPE: PRT
; ORGANISM: Streptomyces venezuelae
US-10-271-889-47

Query Match      4.1%; Score 8; DB 4; Length 3782;
Best Local Similarity 100.0%; Pred. No. 5.4e+02;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      14 GLLLATPA 21
Db      1409 GLLLATPA 1416

RESULT 42
US-10-398-605-4
; Sequence 4, Application US/10398605
; Publication No. US20040161839A1
; GENERAL INFORMATION:
; APPLICANT: Liu, H.
; APPLICANT: Sherman, D.H.
; APPLICANT: Zhao, L.
```

```
; APPLICANT: Regents of the University of Minnesota
; TITLE OF INVENTION: Method to alter sugar moisties
; FILE REFERENCE: 600.475US1
; CURRENT APPLICATION NUMBER: US/10/398,605
; PRIOR FILING DATE: 2003-04-04
; PRIOR APPLICATION NUMBER: PCT/US01/31255
; PRIOR FILING DATE: 2001-10-05
; PRIOR APPLICATION NUMBER: US 60/238,185
; PRIOR FILING DATE: 2000-10-05
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 3782
; TYPE: PRT
; ORGANISM: Streptomyces venezuelae
US-10-398-605-4

Query Match          4.1%; Score 8; DB 4; Length 3782;
Best Local Similarity 100.0%; Pred. No. 5.4e+02;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 14 GLLLATPA 21
Db 1409 GLLLATPA 1416

RESULT 43
US-10-828-559-3
; Sequence 3, Application US/10828559
; Publication No. US20050084913A1
; GENERAL INFORMATION:
; APPLICANT: Punnonen, Juha
; APPLICANT: Apt, Doris
; APPLICANT: Neighbors, Margaret
; APPLICANT: Leong, Steven R.
; TITLE OF INVENTION: NOVEL TUMOR-ASSOCIATED ANTIGENS
; FILE REFERENCE: 0334.210US
; CURRENT APPLICATION NUMBER: US/10/828,559
; CURRENT FILING DATE: 2004-04-19
; PRIOR APPLICATION NUMBER: US 60/464,780
; PRIOR FILING DATE: 2003-04-22
; NUMBER OF SEQ ID NOS: 95
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 23
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: TAG-25 fragment comprising signal peptide (SP)
US-10-828-559-3

Query Match          3.6%; Score 7; DB 5; Length 23;
Best Local Similarity 100.0%; Pred. No. 50;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGULLA 18
Db 8 ALGULLA 14

RESULT 44
US-09-833-245-1222
; Sequence 1222, Application US/09833245
; Publication No. US20040010134A1
; GENERAL INFORMATION:
; APPLICANT: Human Genome Sciences, Inc.
; TITLE OF INVENTION: Albumin Fusion Proteins
; FILE REFERENCE: PF546PCT
; CURRENT APPLICATION NUMBER: US/09/833,245
; CURRENT FILING DATE: 2001-04-12
; PRIOR APPLICATION NUMBER: 60/229, 358
; PRIOR FILING DATE: 2000-04-12
; PRIOR APPLICATION NUMBER: 60/256, 931
; PRIOR FILING DATE: 2000-04-12
; NUMBER OF SEQ ID NOS: 2267
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1224
; LENGTH: 39
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-833-245-1224
```

```
; PRIOR FILING DATE: 2000-12-21
; PRIOR APPLICATION NUMBER: 60/199, 384
; PRIOR FILING DATE: 2000-04-25
; NUMBER OF SEQ ID NOS: 2267
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1222
; LENGTH: 39
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-833-245-1222

Query Match          3.6%; Score 7; DB 3; Length 39;
Best Local Similarity 100.0%; Pred. No. 80;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 13 LGLLLAT 19
Db 9 LGLLLAT 15

RESULT 45
US-09-833-245-1224
; Sequence 1224, Application US/09833245
; Publication No. US20040010134A1
; GENERAL INFORMATION:
; APPLICANT: Human Genome Sciences, Inc.
; TITLE OF INVENTION: Albumin Fusion Proteins
; FILE REFERENCE: PF546PCT
; CURRENT APPLICATION NUMBER: US/09/833,245
; CURRENT FILING DATE: 2001-04-12
; PRIOR APPLICATION NUMBER: 60/229, 358
; PRIOR FILING DATE: 2000-04-12
; PRIOR APPLICATION NUMBER: 60/256, 931
; PRIOR FILING DATE: 2000-12-21
; PRIOR APPLICATION NUMBER: 60/199, 384
; PRIOR FILING DATE: 2000-04-25
; NUMBER OF SEQ ID NOS: 2267
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1224
; LENGTH: 39
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-833-245-1224

Query Match          3.6%; Score 7; DB 3; Length 39;
Best Local Similarity 100.0%; Pred. No. 80;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 13 LGLLLAT 19
Db 9 LGLLLAT 15

RESULT 46
US-10-424-599-268608
; Sequence 268608, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 268608
; LENGTH: 53
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
```

; OTHER INFORMATION: Clone ID: PAT_MRT3847_84576C.1.pep
US-10-424-599-268608

Query Match 3.6%; Score 7; DB 4; Length 53;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 102 YIGSCTF 108
Db 17 YIGSCTF 23
|||||

RESULT 47

US-10-425-115-220040
; Sequence 220040, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 220040
; LENGTH: 54
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(54)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_132263C.1.pep
US-10-425-115-220040

Query Match 3.6%; Score 7; DB 4; Length 54;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 153 AVPDLEL 159
Db 10 AVPDLEL 16
|||||

RESULT 48

US-10-424-599-208921
; Sequence 208921, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 208921
; LENGTH: 60
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_30684C.1.pep
US-10-424-599-208921

Query Match 3.6%; Score 7; DB 4; Length 60;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 LIALGLL 16
Db 5 LIALGLL 11
|||||

RESULT 49

US-10-424-599-241819
; Sequence 241819, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 241819
; LENGTH: 60
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_6038C.1.pep
US-10-424-599-241819

Query Match 3.8%; Score 7; DB 4; Length 60;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 185 KIAASLK 191
Db 33 KIAASLK 39
|||||

RESULT 50

US-10-106-698-6961
; Sequence 6961, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptides
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 6961
; LENGTH: 73
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (4)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: MISC FEATURE
; LOCATION: (5)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: MISC FEATURE
; LOCATION: (8)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: MISC FEATURE
; LOCATION: (10)

; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: MISC_FEATURE
; LOCATION: (12)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: MISC_FEATURE
; LOCATION: (13)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: MISC_FEATURE
; LOCATION: (18)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-10-106-698-6961

Query Match 3.6%; Score 7; DB 4; Length 73;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 49 RSLTLEP 55
|||||
Db 53 RSLTLEP 59

RESULT 51
US-10-501-282-3072
; Sequence 3072, Application US/10501282
; Publication No. US20050203280A1
; GENERAL INFORMATION:
; APPLICANT: MCMICHAEL, JOHN CALHOUN
; APPLICANT: ZAGURSKY, ROBERT JOHN
; APPLICANT: RUSSELL, DAVID PARRISH
; APPLICANT: FLETCHER, LEAH DIANE
; TITLE OF INVENTION: ALLOCOCCUS OTITIDIS OPEN READING FRAMES (ORFS) ENCODING
; FILE REFERENCE: AM100780 L2
; CURRENT APPLICATION NUMBER: US/10/501,282
; CURRENT FILING DATE: 2004-07-09
; PRIOR APPLICATION NUMBER: 60/333,777
; PRIOR FILING DATE: 2001-11-29
; PRIOR APPLICATION NUMBER: 60/426,742
; PRIOR FILING DATE: 2002-11-18
; PRIOR APPLICATION NUMBER: PCT/US02/36123
; PRIOR FILING DATE: 2002-11-25
; NUMBER OF SEQ ID NOS: 6653
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 3072
; LENGTH: 78
; TYPE: PRT
; ORGANISM: Alloiococcus otitidis
US-10-501-282-3072

Query Match 3.6%; Score 7; DB 5; Length 78;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 160 PSWLTGTG 166
|||||
Db 67 PSWLTGTG 73

RESULT 52
US-10-425-114-61932
; Sequence 61932, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(5313)B
; CURRENT APPLICATION NUMBER: US/10/425,114

; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 61932
; LENGTH: 83
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: UC-ZMFLB73121H02_FLI.pep
US-10-425-114-61932

Query Match 3.6%; Score 7; DB 4; Length 83;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 76 LSSPLKV 82
|||||
Db 57 LSSPLKV 63

RESULT 53
US-10-425-115-202828
; Sequence 202828, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 202828
; LENGTH: 84
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_116568C.1.pep
US-10-425-115-202828

Query Match 3.6%; Score 7; DB 4; Length 84;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 87 EKEVAGL 93
|||||
Db 70 EKEVAGL 76

RESULT 54
US-10-029-386-31246
; Sequence 31246, Application US/10029386
; Publication No. US20030194704A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; TITLE OF INVENTION: EXPRESSION ANALYSIS TWO
; FILE REFERENCE: AECMICA-X-2
; CURRENT APPLICATION NUMBER: US/10/029,386
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 34288
; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 31246
; LENGTH: 87
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC010238.4
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.5

; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.3
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.87
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.1
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.2
US-10-029-386-31246

Query Match 3.6%; Score 7; DB 4; Length 87;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 74 VPLSSPL 80
|||
Db 28 VPLSSPL 34

RESULT 55
US-10-450-763-56152
; Sequence 56152, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 56152
; LENGTH: 86
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-450-763-56152

Query Match 3.6%; Score 7; DB 5; Length 88;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 177 SGRRLGC 183
|||
Db 38 SGRRLGC 44

RESULT 56
US-10-437-963-143338
; Sequence 143338, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 143338
; LENGTH: 89
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_159543C.1.pep

; NAME/KEY: unsure
; LOCATION: (1)..(89)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_44256C.1.pep
US-10-437-963-143338

Query Match 3.6%; Score 7; DB 4; Length 89;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 PLLIALG 14
|||
Db 32 PLLIALG 38

RESULT 57
US-10-437-963-152413
; Sequence 152413, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 152413
; LENGTH: 92
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_52467C.1.pep
US-10-437-963-152413

Query Match 3.6%; Score 7; DB 4; Length 92;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 46 AVIRSLT 52
|||
Db 68 AVIRSLT 74

RESULT 58
US-10-425-115-249956
; Sequence 249956, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 249956
; LENGTH: 93
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_159543C.1.pep

US-10-425-115-249956

Query Match 3.6%; Score 7; DB 4; Length 93;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 172 SVLSSSG 178
Db 12 SVLSSSG 18
|||||

RESULT 59

US-09-939-980-401
; Sequence 401, Application US/09939980
; Patent No. US20020082234A1

GENERAL INFORMATION:

APPLICANT: Black, Michael
Burnham, Martin
Hodgson, John
Knowles, David
Lonetto, Michael
Nicholas, Richard
Pratt, Julie
Reichard, Richard
Rosenberg, Martin
Ward, Judith

TITLE OF INVENTION: No. US20020082234A1el Prokaryotic Polynucleotides,
Polypeptides and Their Uses

NUMBER OF SEQUENCES: 534

CORRESPONDENCE ADDRESS:

ADDRESSEE: SmithKline Beecham Corporation
STREET: 709 Swedeland Road
CITY: King of Prussia
STATE: PA

COUNTRY: USA

ZIP: 19406-0939

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: Fast-SEQ for Windows Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/939,980

FILING DATE: 27-Aug-2001

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/936,165

FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Gimml, Edward R

REGISTRATION NUMBER: 38,891

REFERENCE/DOCKET NUMBER: P50549

TELECOMMUNICATION INFORMATION:

TELEPHONE: 610-270-4478

TELEFAX: 610-270-5090

TELEX: <Unknown>

INFORMATION FOR SEQ ID NO: 401:

SEQUENCE CHARACTERISTICS:

LENGTH: 96 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: Protein

SEQUENCE DESCRIPTION: SEQ ID NO: 401:

US-09-939-980-401

Query Match 3.6%; Score 7; DB 3; Length 96;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 85 VLEKEVA 91
Db 77 VLEKEVA 83
|||||

RESULT 60

US-10-424-599-269126
; Sequence 269126, Application US/10424599
; Publication No. US20040031072A1

GENERAL INFORMATION:

APPLICANT: La Rosa Thomas J
APPLICANT: Kovalic David K
APPLICANT: Zhou Yihua

APPLICANT: Cao Yongwei

TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With

TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement

FILE REFERENCE: 38-21(53223)B

CURRENT APPLICATION NUMBER: US/10/424,599

CURRENT FILING DATE: 2003-04-28

NUMBER OF SEQ ID NOS: 285684

SEQ ID NO 269126

LENGTH: 97

TYPE: PRT

ORGANISM: Glycine max

FEATURE:

NAME/KEY: unsure

LOCATION: (1)..(97)

OTHER INFORMATION: unsure at all Xaa locations

FEATURE:

OTHER INFORMATION: Clone ID: PAT_MRT3847_85041C.1.pep

US-10-424-599-269126

Query Match 3.6%; Score 7; DB 4; Length 97;

Best Local Similarity 100.0%; Pred. No. 1.8e+02;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 101 DYIGSCT 107

Db 46 DYIGSCT 52

|||||

RESULT 61

US-09-764-891-3129
; Sequence 3129, Application US/09764891
; Publication No. US20030077808A1

GENERAL INFORMATION:

APPLICANT: Rosen et al.

TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies

FILE REFERENCE: PC006

CURRENT APPLICATION NUMBER: US/09/764,891

CURRENT FILING DATE: 2001-01-17

Prior application data removed - consult PALM or file wrapper

NUMBER OF SEQ ID NOS: 10231

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 3129

LENGTH: 100

TYPE: PRT

ORGANISM: Homo sapiens

US-09-764-891-3129

Query Match 3.6%; Score 7; DB 3; Length 100;

Best Local Similarity 100.0%; Pred. No. 1.9e+02;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 49 RSLTLEP 55

Db 37 RSLTLEP 43

|||||

RESULT 62

US-10-205-428-311
; Sequence 311, Application US/10205428
; Publication No. US20030108907A1

GENERAL INFORMATION:

APPLICANT: Rosen et al.

TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies

```

RESULT 64
US-10-704-363-9
; Sequence 9, Application US/10704363
; Publication No. US20040249145A1
; GENERAL INFORMATION:
; APPLICANT: Stark, Karen A.
; APPLICANT: Weaver, Alix
; APPLICANT: Hoffmann, Heidi M.
; APPLICANT: Krauss, Raul
; APPLICANT: Saini, Kulvinder S.
; APPLICANT: Valenzuela, Dario B.
; TITLE OF INVENTION: Cell Adhesion-Mediating Proteins and
; FILE OF INVENTION: Polynucleotides Encoding Them
; FILE REFERENCE: 1966.1014003
; CURRENT APPLICATION NUMBER: US/10704,363
; CURRENT FILING DATE: 2003-11-07
; PRIOR APPLICATION NUMBER: PCT/US02/14457
; PRIOR FILING DATE: 2002-05-07
; PRIOR APPLICATION NUMBER: 60/289,179
; PRIOR FILING DATE: 2001-05-07
; PRIOR APPLICATION NUMBER: 60/315,736
; PRIOR FILING DATE: 2001-08-29
; NUMBER OF SEQ ID NOS: 88
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9
; LENGTH: 108
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-10-704-363-9

Query Match          3.6%; Score 7; DB 5; Length 108;
Best Local Similarity 100.0%; Pred. No. 2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0;

Qy      62 GNVTLVS 68
Db      17 GNVTLVS 23
      |||||
      |||||

RESULT 65
US-09-746-801A-47
; Sequence 47, Application US/09746801A
; Patent No. US20020083494A1
; GENERAL INFORMATION:
; APPLICANT: Wagner, et al.
; TITLE OF INVENTION: GENES REGULATING CIRCADIAN CLOCK FUNCTION
; FILE REFERENCE: 1505-54357
; CURRENT APPLICATION NUMBER: US/09/746,801A
; CURRENT FILING DATE: 2000-12-20
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 47
; LENGTH: 115
; TYPE: PRT
; ORGANISM: Xanthium
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (4)..(4)
; OTHER INFORMATION: Xaa = uncertain amino acid residue
US-09-746-801A-47

Query Match          3.6%; Score 7; DB 3; Length 115;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0;

Qy      175 SSSGKRL 181
Db      29 SSSGKRL 35
      |||||
      |||||

RESULT 66
US-11-109-077-47
; Sequence 47, Application US/11109077

```

Publication No. US20050204424A1
GENERAL INFORMATION:
APPLICANT: Wagner, Ry
APPLICANT: Hicks, Karen A.
APPLICANT: Spence, Michelle Z.
APPLICANT: Foss, Henriette
APPLICANT: Liu, Xiang L.
APPLICANT: Covington, Michael F.
TITLE OF INVENTION: GENES REGULATING CIRCADIAN CLOCK FUNCTION AND PHOTOPERIODISM
FILE REFERENCE: 1505-67088-02
CURRENT APPLICATION NUMBER: US/11/109,077
CURRENT FILING DATE: 2005-04-18
PRIORITY FILING DATE: 2005-04-18
PRIORITY FILING DATE: 1998-08-17
PRIORITY APPLICATION NUMBER: PCT/US99/18747
PRIORITY FILING DATE: 1999-08-17
PRIORITY APPLICATION NUMBER: US 09/513,057
PRIORITY FILING DATE: 2000-02-24
PRIORITY APPLICATION NUMBER: US 09/746,801
PRIORITY FILING DATE: 2000-12-20
PRIORITY APPLICATION NUMBER: US 10/719,885
PRIORITY FILING DATE: 2003-11-21
NUMBER OF SEQ ID NOS: 68
SOFTWARE: PatentIn version 3.3
SEQ ID NO 47
LENGTH: 115
TYPE: PRT
ORGANISM: Xanthium
FEATURE:
NAME/KEY: misc feature
LOCATION: (4)-(4)
OTHER INFORMATION: Xaa = uncertain amino acid residue
US-11-109-077-47

Query Match 3.6%; Score 7; DB 6; Length 115;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 175 SSSGKRL 181
Db 29 SSSGKRL 35
|||||

RESULT 67
US-10-424-599-285576
Sequence 285576, Application US/10424599
Publication No. US20040031072A1
GENERAL INFORMATION:
APPLICANT: La Rosa Thomas J
APPLICANT: Kovalic David K
APPLICANT: Zhou Yihua
APPLICANT: Cao Yongwei
TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated with
FILE REFERENCE: 38-21(53223)B
CURRENT APPLICATION NUMBER: US/10/424,599
CURRENT FILING DATE: 2003-04-28
NUMBER OF SEQ ID NOS: 285684
SEQ ID NO 285576
LENGTH: 124
TYPE: PRT
ORGANISM: Glycine max
FEATURE:
OTHER INFORMATION: Clone ID: PAT_MRT3847_99904C.1.pep
US-10-424-599-285576

Query Match 3.6%; Score 7; DB 4; Length 124;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 19 TPAQAH 25
Db 62 TPAQAH 68
|||||

RESULT 68
US-10-437-963-196791
Sequence 196791, Application US/10437963
Publication No. US20040123343A1
GENERAL INFORMATION:
APPLICANT: La Rosa, Thomas J.
APPLICANT: Kovalic, David K.
APPLICANT: Zhou, Yihua
APPLICANT: Cao, Yongwei
APPLICANT: Wu, Wei
APPLICANT: Boukharov, Andrey A.
APPLICANT: Barbazuk, Brad
APPLICANT: Li, Ping
TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated with
FILE REFERENCE: 38-21(53221)B
CURRENT APPLICATION NUMBER: US/10/437,963
CURRENT FILING DATE: 2003-05-14
NUMBER OF SEQ ID NOS: 204966
SEQ ID NO 196791
LENGTH: 124
TYPE: PRT
ORGANISM: Oryza sativa
FEATURE:
OTHER INFORMATION: Clone ID: PAT_MRT4530_9260C.1.pep
US-10-437-963-196791

Query Match 3.6%; Score 7; DB 4; Length 124;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 14 GLLLATP 20
Db 16 GLLLATP 22
|||||

RESULT 69
US-09-764-891-4977
Sequence 4977, Application US/09764891
Publication No. US20030077808A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
FILE REFERENCE: PC006
CURRENT APPLICATION NUMBER: US/09/764,891
CURRENT FILING DATE: 2001-01-17
Prior application data removed - consult PALM or file wrapper
NUMBER OF SEQ ID NOS: 10231
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 4977
LENGTH: 126
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: SITE
LOCATION: (119)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (122)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (123)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-764-891-4977

Query Match 3.6%; Score 7; DB 3; Length 126;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 52 TLEPDPI 58
|||||

Db 70 TLEPDI 76

RESULT 70

US-10-779-597-59

Sequence 59, Application US/10779597

Publication No. US20040234953A1

GENERAL INFORMATION:

APPLICANT: Oregon Health & Science University

APPLICANT: Wong, Scott W.

APPLICANT: Axthelm, Michael K.

APPLICANT: Hansen, Scott G.

TITLE OF INVENTION: JAPANESE MACAQUE HERPESVIRUS NUCLEIC ACID SEQUENCES AND THEIR USE

FILE REFERENCE: 178-67426

CURRENT APPLICATION NUMBER: US/10/779,597

CURRENT FILING DATE: 2004-02-12

PRIOR APPLICATION NUMBER: 10/276,524

PRIOR FILING DATE: 2002-11-13

PRIOR APPLICATION NUMBER: PCT/US01/16274

PRIOR FILING DATE: 2001-05-17

PRIOR APPLICATION NUMBER: 60/205,652

PRIOR FILING DATE: 2000-05-18

NUMBER OF SEQ ID NOS: 172

SOFTWARE: PatentIn version 3.2

SEQ ID NO 59

LENGTH: 129

TYPE: PRT

ORGANISM: Japanese Macaque Herpesvirus

US-10-779-597-59

Query Match 3.6%; Score 7; DB 5; Length 129;

Best Local Similarity 100.0%; Pred. No. 2.4e+02;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 69 VGSTSV 75

Db 8 VGSTSV 14

RESULT 71

US-10-282-122A-67397

Sequence 67397, Application US/10282122A

Publication No. US20040029129A1

GENERAL INFORMATION:

APPLICANT: Wang, Liangsu

APPLICANT: Zamudio, Carlos

APPLICANT: Malone, Cheryl

APPLICANT: Haselbeck, Robert

APPLICANT: Ohlsen, Kari

APPLICANT: Zyskind, Judith

APPLICANT: Wall, Daniel

APPLICANT: Trawick, John

APPLICANT: Carr, Grant

APPLICANT: Yamamoto, Robert

APPLICANT: Forsyth, R.

APPLICANT: Xu, H.

TITLE OF INVENTION: Identification of Essential Genes in Microorganisms

FILE REFERENCE: ELITRA.034A

CURRENT APPLICATION NUMBER: US/10/282,122A

CURRENT FILING DATE: 2003-02-20

PRIOR APPLICATION NUMBER: 60/191,078

PRIOR FILING DATE: 2000-03-21

PRIOR APPLICATION NUMBER: 60/206,848

PRIOR FILING DATE: 2000-05-23

PRIOR APPLICATION NUMBER: 60/207,727

PRIOR FILING DATE: 2000-05-26

PRIOR APPLICATION NUMBER: 60/230,335

PRIOR FILING DATE: 2000-09-06

PRIOR APPLICATION NUMBER: 60/230,347

PRIOR FILING DATE: 2000-09-09

PRIOR APPLICATION NUMBER: 60/242,578

PRIOR FILING DATE: 2000-10-23

PRIOR APPLICATION NUMBER: 60/253,625

Db 70 TLEPDI 76

PRIOR FILING DATE: 2000-11-27

PRIOR APPLICATION NUMBER: 60/257,931

PRIOR FILING DATE: 2000-12-22

PRIOR APPLICATION NUMBER: 60/267,636

PRIOR FILING DATE: 2001-02-09

PRIOR APPLICATION NUMBER: 60/269,308

PRIOR FILING DATE: 2001-02-16

Remaining Prior Application data removed - See File Wrapper or PALM.

NUMBER OF SEQ ID NOS: 78614

SOFTWARE: PatentIn version 3.1

SEQ ID NO 67397

LENGTH: 136

TYPE: PRT

ORGANISM: Pasteurella multocida

US-10-282-122A-67397

Query Match 3.6%; Score 7; DB 4; Length 136;

Best Local Similarity 100.0%; Pred. No. 2.5e+02;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 LLIATLGL 15

Db 61 LLIATLGL 67

RESULT 72

US-10-739-930-8847

Sequence 8847, Application US/10739930

Publication No. US20040216190A1

GENERAL INFORMATION:

APPLICANT: Kovalic, David K.

TITLE OF INVENTION: NUCLEIC ACID MOLECULES AND OTHER MOLECULES ASSOCIATED WITH

TITLE OF INVENTION: PLANTS AND USES THEREOF FOR PLANT IMPROVEMENT

FILE REFERENCE: 38-21(53377)B

CURRENT APPLICATION NUMBER: US/10/739,930

CURRENT FILING DATE: 2003-12-18

NUMBER OF SEQ ID NOS: 11088

SEQ ID NO 8847

LENGTH: 139

TYPE: PRT

ORGANISM: Glycine max

FEATURE:

OTHER INFORMATION: Clone ID: GLYMA-23APR03-C1993_21.p

US-10-739-930-8847

Query Match 3.6%; Score 7; DB 5; Length 139;

Best Local Similarity 100.0%; Pred. No. 2.5e+02;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 72 TSVPLSS 78

Db 7 TSVPLSS 13

RESULT 73

US-11-097-143-35136

Sequence 35136, Application US/11097143

Publication No. US20050208558A1

GENERAL INFORMATION:

APPLICANT: Venter, J. Craig

APPLICANT: et al.

TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID

TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE

FILE REFERENCE: CL000728

CURRENT APPLICATION NUMBER: US/11/097,143

CURRENT FILING DATE: 2005-04-04

PRIOR APPLICATION NUMBER: 60/157,832

PRIOR FILING DATE: 1999-10-05

PRIOR APPLICATION NUMBER: 60/160,191

PRIOR FILING DATE: 1999-10-19

PRIOR APPLICATION NUMBER: 60/161,932

PRIOR FILING DATE: 1999-10-28

```
; PRIOR APPLICATION NUMBER: 60/164,769
; PRIOR FILING DATE: 1999-11-12
; PRIOR APPLICATION NUMBER: 60/173,383
; PRIOR FILING DATE: 1999-12-28
; PRIOR APPLICATION NUMBER: 60/175,693
; PRIOR FILING DATE: 2000-01-12
; PRIOR APPLICATION NUMBER: 60/184,831
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: 60/191,637
; PRIOR FILING DATE: 2000-03-23
; NUMBER OF SEQ ID NOS: 43008
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 35136
; LENGTH: 140
; TYPE: PRT
; ORGANISM: DROSOPHILA
US-11-097-143-35136

Query Match          3.6%; Score 7; DB 6; Length 140;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 66 LSVVGST 72
| | | | |
Db 52 LSVVGST 58

RESULT 74
US-10-425-115-331361
; Sequence 331361, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 331361
; LENGTH: 147
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(147)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_65304C.1.pep
US-10-425-115-331361

Query Match          3.6%; Score 7; DB 4; Length 147;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGLLLA 18
| | | | |
Db 82 ALGULLLA 88

RESULT 75
US-10-442-174A-1
; Sequence 1, Application US/10442174A
; Publication No. US20040010123A1
; GENERAL INFORMATION:
; APPLICANT: Societe des Produits Nestle
; APPLICANT: Kochhar, Sunil
; APPLICANT: Hansen, Carl Eric
; APPLICANT: Jullerat, Marcel Alexandre
; APPLICANT: James, McCarthy

; TITLE OF INVENTION: COCOA ALBUMIN AND USE IN COCOA AND CHOCOLATE PRODUCTION
; FILE REFERENCE: 88265-6838
; CURRENT APPLICATION NUMBER: US/10/442,174A
; CURRENT FILING DATE: 2003-05-21
; PRIOR APPLICATION NUMBER: PCT/EP01/13536
; PRIOR FILING DATE: 2001-11-21
; PRIOR APPLICATION NUMBER: EP00125523.1
; PRIOR FILING DATE: 2000-11-21
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1
; LENGTH: 150
; TYPE: PRT
; ORGANISM: Theobroma cacao
US-10-442-174A-1

Query Match          3.6%; Score 7; DB 4; Length 150;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 13 LGULLAT 19
| | | | |
Db 4 LGULLAT 10

RESULT 76
US-10-767-701-53352
; Sequence 53352, Application US/10767701
; Publication No. US20040172684A1
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(53535)B
; CURRENT APPLICATION NUMBER: US/10/767,701
; CURRENT FILING DATE: 2004-01-29
; NUMBER OF SEQ ID NOS: 63128
; SEQ ID NO 53352
; LENGTH: 152
; TYPE: PRT
; ORGANISM: Sorghum bicolor
; FEATURE:
; OTHER INFORMATION: Clone ID: 13389801.pep
US-10-767-701-53352

Query Match          3.6%; Score 7; DB 4; Length 152;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 78 SPLKVDL 84
| | | | |
Db 6 SPLKVDL 12

RESULT 77
US-09-975-719-213
; Sequence 213, Application US/09975719
; Publication No. US20030022349A1
; GENERAL INFORMATION:
; APPLICANT: Ausubel, Frederick M.
; APPLICANT: Rahme, Laurence G.
; TITLE OF INVENTION: VIRULENCE-ASSOCIATED NUCLEIC ACID
; FILE REFERENCE: 00786/361003
; CURRENT APPLICATION NUMBER: US/09/975,719
; CURRENT FILING DATE: 2001-10-10
; PRIOR APPLICATION NUMBER: US 09/199,637
; PRIOR FILING DATE: 1998-11-25
; PRIOR APPLICATION NUMBER: US 60/066,517
; PRIOR FILING DATE: 1997-11-25
; NUMBER OF SEQ ID NOS: 437
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; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 213
; LENGTH: 153
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-975-719-213

Query Match          3.6%; Score 7; DB 3; Length 153;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 13 LGLLLAT 19
Db 70 LGLLLAT 76

RESULT 78
US-10-128-174-29
; Sequence 29, Application US/10128174
; Publication No. US20030199462A1
; GENERAL INFORMATION:
; APPLICANT: Nunez, Gabriel
; APPLICANT: Inchara, Nachiro
; TITLE OF INVENTION: Methods and Compositions for Regulating Cellular Signaling
; FILE REFERENCE: UM-06967
; CURRENT APPLICATION NUMBER: US/10/128,174
; CURRENT FILING DATE: 2002-04-23
; NUMBER OF SEQ ID NOS: 44
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 29
; LENGTH: 153
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-128-174-29

Query Match          3.6%; Score 7; DB 4; Length 153;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 175 SSSGKRL 181
Db 81 SSSGKRL 87

RESULT 79
US-10-767-701-43671
; Sequence 43671, Application US/10767701
; Publication No. US20040172684A1
; GENERAL INFORMATION:
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53535)B
; CURRENT APPLICATION NUMBER: US/10/767,701
; CURRENT FILING DATE: 2004-01-29
; NUMBER OF SEQ ID NOS: 63128
; SEQ ID NO 43671
; LENGTH: 166
; TYPE: PRT
; ORGANISM: Sorghum bicolor
; FEATURE:
; OTHER INFORMATION: Clone ID: SORBI-28MAY03-C105305_1.pep
US-10-767-701-43671

Query Match          3.6%; Score 7; DB 4; Length 166;
Best Local Similarity 100.0%; Pred. No. 3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 ALGULLA 18
Db 47 ALGULLA 53

; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 213
; LENGTH: 153
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-975-719-213

Query Match          3.6%; Score 7; DB 3; Length 153;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 13 LGLLLAT 19
Db 70 LGLLLAT 76

RESULT 80
US-10-437-963-138075
; Sequence 138075, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 138075
; LENGTH: 169
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(169)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_39498C.1.pep
US-10-437-963-138075

Query Match          3.6%; Score 7; DB 4; Length 169;
Best Local Similarity 100.0%; Pred. No. 3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 113 DVLDMLI 119
Db 36 DVLDMLI 42

RESULT 81
US-09-933-767-1011
; Sequence 1011, Application US/09933767
; Publication No. US20030181692A1
; GENERAL INFORMATION:
; APPLICANT: Ni et al.
; TITLE OF INVENTION: 207 Human Secreted Proteins
; FILE REFERENCE: P2007P2
; CURRENT APPLICATION NUMBER: US/09/933,767
; CURRENT FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: PCT/US01/05614
; PRIOR FILING DATE: 2001-02-21
; PRIOR APPLICATION NUMBER: 60/184,836
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: 60/193,170
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: 09/205,258
; PRIOR FILING DATE: 1998-12-04
; PRIOR APPLICATION NUMBER: PCT/US98/11422
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/048,885
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/049,375
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,881
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,880
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,896
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/049,020
```



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; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,876
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,895
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,884
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,894
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,971
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,964
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,882
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,899
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,893
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,900
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,901
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,892
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,915
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/049,019
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,970
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,972
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,916
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/049,373
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,875
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/049,374
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,917
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,949
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,974
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,883
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,897
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,898
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,962
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,963
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,877
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,878
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/068,054
; PRIOR FILING DATE: 1997-12-18
; PRIOR APPLICATION NUMBER: 60/068,064
; PRIOR FILING DATE: 1997-12-18
; PRIOR APPLICATION NUMBER: 60/068,053
; PRIOR FILING DATE: 1997-12-18
; PRIOR APPLICATION NUMBER: 60/070,923
; PRIOR FILING DATE: 1997-12-18
; PRIOR APPLICATION NUMBER: 60/073,160
; PRIOR FILING DATE: 1998-01-30
; PRIOR APPLICATION NUMBER: 60/073,159
; PRIOR FILING DATE: 1998-01-30

; PRIOR APPLICATION NUMBER: 60/073,165
; PRIOR FILING DATE: 1998-01-30
; PRIOR APPLICATION NUMBER: 60/073,164
; PRIOR FILING DATE: 1998-01-30
; PRIOR APPLICATION NUMBER: 60/085,925
; PRIOR FILING DATE: 1998-05-18
; PRIOR APPLICATION NUMBER: 60/085,921
; PRIOR FILING DATE: 1998-05-18
; PRIOR APPLICATION NUMBER: 60/085,923
; PRIOR FILING DATE: 1998-05-18
; PRIOR APPLICATION NUMBER: 60/085,922
; PRIOR FILING DATE: 1998-05-18
; PRIOR APPLICATION NUMBER: 60/092,921
; PRIOR FILING DATE: 1998-07-15
; PRIOR APPLICATION NUMBER: 60/094,657
; PRIOR FILING DATE: 1998-07-30
; NUMBER OF SEQ ID NOS: 1245
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1011
; LENGTH: 170
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (65)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (118)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-933-767-1011

Query Match          3.6%; Score 7; DB 3; Length 170;
Best Local Similarity 100.0%; Pred. No. 3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 125 CPEPLRT 131
Db 104 CPEPLRT 110
|||||

RESULT 82
US-10-004-860-1011
; Sequence 1011, Application US/10004860
; Publication No. US20030065160A1
; GENERAL INFORMATION:
; APPLICANT: Young et al.
; TITLE OF INVENTION: 207 Human Secreted Proteins
; FILE REFERENCE: P2007P1
; CURRENT APPLICATION NUMBER: US/10/004,860
; CURRENT FILING DATE: 2001-12-07
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 1227
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1011
; LENGTH: 170
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (65)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (118)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-10-004-860-1011

Query Match          3.6%; Score 7; DB 4; Length 170;
Best Local Similarity 100.0%; Pred. No. 3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 125 CPEPLRT 131
|||||
```

```
Db          104 CPEPLRT 110

RESULT 83
US-10-023-282-1011
; Sequence 1011, Application US/10023282
; Publication No. US2003002893A1
; GENERAL INFORMATION:
; APPLICANT: Young et al.
; TITLE OF INVENTION: 207 Human Secreted Proteins
; FILE REFERENCE: P2007P1
; CURRENT APPLICATION NUMBER: US/10/023,282
; CURRENT FILING DATE: 2001-12-20
; EARLIER APPLICATION NUMBER: 09/205,258
; EARLIER FILING DATE: 1998-12-04
; EARLIER APPLICATION NUMBER: PCT/US98/11422
; EARLIER FILING DATE: 1998-06-04
; EARLIER APPLICATION NUMBER: 60/048,885
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,375
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,881
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,880
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,896
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,020
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,876
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,895
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,884
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,894
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,971
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,964
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,882
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,899
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,893
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,900
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,901
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,892
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,915
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,019
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,970
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,972
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,916
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,373
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,875
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,374
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,917
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,949
; EARLIER FILING DATE: 1997-06-06

; EARLIER APPLICATION NUMBER: 60/048,974
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,883
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,897
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,898
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,962
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,963
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,877
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,878
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/070,923
; EARLIER FILING DATE: 1997-12-18
; EARLIER APPLICATION NUMBER: 60/092,921
; EARLIER FILING DATE: 1998-07-15
; EARLIER APPLICATION NUMBER: 60/094,657
; NUMBER OF SEQ ID NOS: 1227
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1011
; LENGTH: 170
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (65)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (118)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-10-023-282-1011

Query Match          3.6%; Score 7; DB 4; Length 170;
Best Local Similarity 100.0%; Pred. No. 3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 125 CPEPLRT 131
Db 104 CPEPLRT 110

RESULT 84
US-10-767-701-36938
; Sequence 36938, Application US/10767701
; Publication No. US20040172684A1
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(53535)B
; FILE REFERENCE: 38-21(53535)B
; CURRENT APPLICATION NUMBER: US/10/767,701
; CURRENT FILING DATE: 2004-01-29
; NUMBER OF SEQ ID NOS: 63128
; SEQ ID NO 36938
; LENGTH: 171
; TYPE: PRT
; ORGANISM: Sorghum bicolor
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(171)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: SORBI-28MAY03-C12322_1.pep
US-10-767-701-36938
```

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Query Match          3.6%; Score 7; DB 4; Length 171;
Best Local Similarity 100.0%; Pred. No. 3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 184 IKIAASL 190
Db 59 IKIAASL 65

RESULT 85
US-10-767-701-55443
; Sequence 55443, Application US/10767701
; Publication No. US20040172684A1
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; APPLICANT: Cao, Yihua
; APPLICANT: Zhou, Yihua
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof For Plant Improvement
; FILE REFERENCE: 38-21(53535)B
; CURRENT APPLICATION NUMBER: US/10/767,701
; CURRENT FILING DATE: 2004-01-29
; NUMBER OF SEQ ID NOS: 63128
; SEQ ID NO 55443
; LENGTH: 173
; TYPE: PRT
; ORGANISM: Sorghum bicolor
; FEATURE:
; OTHER INFORMATION: Clone ID: 30163141.pep
US-10-767-701-55443

Query Match          3.6%; Score 7; DB 4; Length 173;
Best Local Similarity 100.0%; Pred. No. 3.1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 74 VPLSSPL 80
Db 67 VPLSSPL 73

RESULT 86
US-10-425-115-210965
; Sequence 210965, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 210965
; LENGTH: 176
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_123996C.1.pep
US-10-425-115-210965

Query Match          3.6%; Score 7; DB 4; Length 176;
Best Local Similarity 100.0%; Pred. No. 3.1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 184 IKIAASL 190
Db 75 IKIAASL 81

RESULT 87
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US-10-335-977-5623
; Sequence 5623, Application US/10335977
; Publication No. US20040052799A1
; GENERAL INFORMATION:
; APPLICANT: DOUGLAS SMITH et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
; RELATING TO HELICOBACTER PYLORI FOR
; DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 10031
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD
; STREET: 28 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109-1875
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-ROM ISO9660
; COMPUTER: IBM PC Compatible
; OPERATING SYSTEM: Windows NT 4.0
; SOFTWARE: UNIX
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/335,977
; FILING DATE: 30-Dec-2002
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/993,002
; FILING DATE: 17-DEC-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Mandragouras, Amy E.
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: GTN-018
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; TELEFAX: (617)742-4214
; INFORMATION FOR SEQ ID NO: 5623:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 179 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: YES
; ORIGINAL SOURCE:
; ORGANISM: Helicobacter pylori
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (B) LOCATION 1...179
; SEQUENCE DESCRIPTION: SEQ ID NO: 5623:
US-10-335-977-5623

Query Match          3.6%; Score 7; DB 4; Length 179;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 84 LVLEKEV 90
Db 170 LVLEKEV 176

RESULT 88
US-10-264-049-2611
; Sequence 2611, Application US/10264049
; Publication No. US20040005579A1
; GENERAL INFORMATION:
; APPLICANT: Birse et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PA133P1
; CURRENT APPLICATION NUMBER: US/10/264,049
; CURRENT FILING DATE: 2002-10-04
; PRIOR APPLICATION NUMBER: PCT/US01/18569
; PRIOR FILING DATE: 2001-06-07
; PRIOR APPLICATION NUMBER: US 60/209,467
; PRIOR FILING DATE: 2000-06-07
; NUMBER OF SEQ ID NOS: 4360
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; SOFTWARE: PatentIn Ver. 3.1
; SEQ ID NO 2611
; LENGTH: 191
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (141)
; OTHER INFORMATION: Xaa equals any of the twenty naturally occurring L-amino acids
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (142)
; OTHER INFORMATION: Xaa equals any of the twenty naturally occurring L-amino acids
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (184)
; OTHER INFORMATION: Xaa equals any of the twenty naturally occurring L-amino acids
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (187)
; OTHER INFORMATION: Xaa equals any of the twenty naturally occurring L-amino acids
US-10-264-049-2611

Query Match 3.6%; Score 7; DB 4; Length 191;
Best Local Similarity 100.0%; Pred. No. 3.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 52 TLEPDPI 58
Db 70 TLEPDPI 76

RESULT 89

US-10-425-115-212541
; Sequence 212541, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 212541
; LENGTH: 191
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_12543C.1.pep
US-10-425-115-212541

Query Match 3.6%; Score 7; DB 4; Length 191;
Best Local Similarity 100.0%; Pred. No. 3.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 171 ESVLSS 177
Db 42 ESVLSS 48

RESULT 90

US-10-767-701-41702
; Sequence 41702, Application US/10767701
; Publication No. US20040172684A1
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With

; TITLE OF INVENTION: Plants and Uses Thereof For Plant Improvement
; FILE REFERENCE: 38-21(53535)B
; CURRENT APPLICATION NUMBER: US/10/767,701
; CURRENT FILING DATE: 2004-01-29
; NUMBER OF SEQ ID NOS: 63128
; SEQ ID NO 41702
; LENGTH: 192
; TYPE: PRT
; ORGANISM: Sorghum bicolor
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1) ..(192)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: SORBI-28MAY03-C5781_1.pep
US-10-767-701-41702

Query Match 3.6%; Score 7; DB 4; Length 192;
Best Local Similarity 100.0%; Pred. No. 3.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 27 KPSQLSS 33
Db 100 KPSQLSS 106

RESULT 91

US-10-425-115-210966
; Sequence 210966, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 210966
; LENGTH: 194
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_123997C.1.pep
US-10-425-115-210966

Query Match 3.6%; Score 7; DB 4; Length 194;
Best Local Similarity 100.0%; Pred. No. 3.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 184 IKIAASL 190
Db 110 IKIAASL 116

RESULT 92

US-10-156-761-13659
; Sequence 13659, Application US/10156761
; Publication No. US20030119018A1
; GENERAL INFORMATION:
; APPLICANT: OMURA, SATOSHI
; APPLICANT: IKEDA, HARUO
; APPLICANT: ISHIKAWA, JUN
; APPLICANT: HORIKAWA, HIROSHI
; APPLICANT: SHIBA, TADAYOSHI
; APPLICANT: SAKAKI, YOSHIYUKI
; APPLICANT: HATTORI, MASAHIRA
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
; FILE REFERENCE: 249-262
; CURRENT APPLICATION NUMBER: US/10/156,761

; CURRENT FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: JP 2001-204089
; PRIOR FILING DATE: 2001-05-30
; PRIOR APPLICATION NUMBER: JP 2001-272697
; PRIOR FILING DATE: 2001-08-02
; NUMBER OF SEQ ID NOS: 15109
; SEQ ID NO 13659
; LENGTH: 200
; TYPE: PRT
; ORGANISM: Streptomyces avermitilis
US-10-156-761-13659

Query Match 3.6%; Score 7; DB 4; Length 200;
Best Local Similarity 100.0%; Pred. No. 3.5e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 11 IALGILL 17
| | | | |
Db 129 IALGILL 135

RESULT 93

US-10-408-765A-2857
; Sequence 2857, Application US/10408765A
; Publication No. US20040101874A1
; GENERAL INFORMATION:
; APPLICANT: Ghosh, Soumitra S.
; APPLICANT: Fahy, Eoin D.
; APPLICANT: Zhang, Bing
; APPLICANT: Gibson, Bradford W.
; APPLICANT: Taylor, Steven W.
; APPLICANT: Glenn, Gary W.
; APPLICANT: Warnock, Dale E.
; TITLE OF INVENTION: TARGETS FOR THERAPEUTIC INTERVENTION
; FILE REFERENCE: 660088, 465
; CURRENT APPLICATION NUMBER: US/10/408,765A
; CURRENT FILING DATE: 2003-04-04
; NUMBER OF SEQ ID NOS: 3077
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2857
; LENGTH: 207
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-408-765A-2857

Query Match 3.6%; Score 7; DB 4; Length 207;
Best Local Similarity 100.0%; Pred. No. 3.6e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 173 VLSSSGK 179
| | | | |
Db 27 VLSSSGK 33

RESULT 94

US-10-437-963-157781
; Sequence 157781, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14

; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 157781
; LENGTH: 207
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(207)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_57318C.1.pep
US-10-437-963-157781

Query Match 3.6%; Score 7; DB 4; Length 207;
Best Local Similarity 100.0%; Pred. No. 3.6e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 PLLIALG 14
| | | | |
Db 113 PLLIALG 119

RESULT 95

US-10-424-599-167623
; Sequence 167623, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 167623
; LENGTH: 208
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(208)
; OTHER INFORMATION: unsure at all Xaa locations
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US-10-424-599-167623

Query Match 3.6%; Score 7; DB 4; Length 208;
Best Local Similarity 100.0%; Pred. No. 3.6e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 175 SSSGKRL 181
| | | | |
Db 105 SSSGKRL 111

RESULT 96

US-10-424-599-187530
; Sequence 187530, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684

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; SEQ ID NO 187530
; LENGTH: 214
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_140351C.1.pbp
US-10-424-599-187530

Query Match          3.6%; Score 7; DB 4; Length 214;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 72 TSVPLSS 78
Db 7 TSVPLSS 13

RESULT 97
US-10-739-930-8848
; Sequence 8848, Application US/10739930
; Publication No. US20040216190A1
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES AND OTHER MOLECULES ASSOCIATED WITH
; FILE REFERENCE: 38-21(53377)B
; CURRENT APPLICATION NUMBER: US/10/739,930
; CURRENT FILING DATE: 2003-12-18
; NUMBER OF SEQ ID NOS: 11088
; SEQ ID NO 8848
; LENGTH: 214
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: GLYMA-23APR03-C1993_22.p
US-10-739-930-8848

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Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 72 TSVPLSS 78
Db 7 TSVPLSS 13

RESULT 98
US-10-437-963-192804
; Sequence 192804, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 192804
; LENGTH: 220
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(220)
; OTHER INFORMATION: unsure at all Xaa locations
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; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_88C.1.pbp
US-10-437-963-192804

Query Match          3.6%; Score 7; DB 4; Length 220;
Best Local Similarity 100.0%; Pred. No. 3.8e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 74 VPLSSPL 80
Db 14 VPLSSPL 20

RESULT 99
US-10-369-493-20542
; Sequence 20542, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 20542
; LENGTH: 226
; TYPE: PRT
; ORGANISM: Rhodospseudomonas palustris
US-10-369-493-20542

Query Match          3.6%; Score 7; DB 4; Length 226;
Best Local Similarity 100.0%; Pred. No. 3.9e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 173 VLSSSGK 179
Db 29 VLSSSGK 35

RESULT 100
US-10-739-930-9018
; Sequence 9018, Application US/10739930
; Publication No. US20040216190A1
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES AND OTHER MOLECULES ASSOCIATED WITH
; FILE REFERENCE: 38-21(53377)B
; CURRENT APPLICATION NUMBER: US/10/739,930
; CURRENT FILING DATE: 2003-12-18
; NUMBER OF SEQ ID NOS: 11088
; SEQ ID NO 9018
; LENGTH: 226
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(226)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: GLYMA-23APR03-C316532_1.p
US-10-739-930-9018

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Best Local Similarity 100.0%; Pred. No. 3.9e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 172 SVLSSG 178
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Db 210 SVLSSG 216

Search completed: February 15, 2006, 09:57:29
Job time : 244.893 secs

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GenCore version 5.1.7
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: February 15, 2006, 09:52:55 ; Search time 22.3022 Seconds
(without alignments)
122.986 Million cell updates/sec

Title: US-10-030-937-9

Perfect score: 193

Sequence: 1 MQSLMQAPLIALGLLALTP.....LSSSGKRLGCIKTAASLKGI 193

Scoring table: OIIGO
Gapop 60.0 , Gapext 60.0

Searched: 107799 seqs, 14211699 residues

Word size : 0

Total number of hits satisfying chosen parameters: 107799

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 150 summaries

Database : Published Applications AA New:*

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- 2: /cgn2_6/ptodata/2/pubaa/US06_NEW_PUB pep.*
- 3: /cgn2_6/ptodata/2/pubaa/US07_NEW_PUB pep.*
- 4: /cgn2_6/ptodata/2/pubaa/PCT_NEW_PUB pep.*
- 5: /cgn2_6/ptodata/2/pubaa/US09_NEW_PUB pep.*
- 6: /cgn2_6/ptodata/2/pubaa/US10_NEW_PUB pep.*
- 7: /cgn2_6/ptodata/2/pubaa/US11_NEW_PUB pep.*
- 8: /cgn2_6/ptodata/2/pubaa/US60_NEW_PUB pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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| 1 | 112 | 58.0 | 201 | 6 | US-10-821-234-1162 |
| 2 | 8 | 4.1 | 410 | 6 | US-10-821-234-1180 |
| 3 | 7 | 3.6 | 162 | 7 | US-11-098-686-10273 |
| 4 | 7 | 3.6 | 296 | 6 | US-10-965-972-8 |
| 5 | 7 | 3.6 | 334 | 6 | US-10-858-730-114 |
| 6 | 7 | 3.6 | 456 | 7 | US-11-074-176-238 |
| 7 | 7 | 3.6 | 1102 | 7 | US-11-098-686-10951 |
| 8 | 6 | 3.1 | 9 | 6 | US-10-857-484-207 |
| 9 | 6 | 3.1 | 9 | 6 | US-10-857-484-226 |
| 10 | 6 | 3.1 | 9 | 6 | US-10-857-484-254 |
| 11 | 6 | 3.1 | 9 | 6 | US-10-857-484-271 |
| 12 | 6 | 3.1 | 9 | 6 | US-10-857-484-755 |
| 13 | 6 | 3.1 | 9 | 6 | US-10-857-484-782 |
| 14 | 6 | 3.1 | 9 | 6 | US-10-857-484-829 |
| 15 | 6 | 3.1 | 9 | 6 | US-10-857-484-834 |
| 16 | 6 | 3.1 | 9 | 6 | US-10-857-484-1322 |
| 17 | 6 | 3.1 | 9 | 6 | US-10-857-484-1339 |
| 18 | 6 | 3.1 | 9 | 6 | US-10-857-484-1373 |
| 19 | 6 | 3.1 | 9 | 6 | US-10-857-484-1418 |
| 20 | 6 | 3.1 | 9 | 6 | US-10-857-484-1894 |
| 21 | 6 | 3.1 | 9 | 6 | US-10-857-484-1908 |
| 22 | 6 | 3.1 | 9 | 6 | US-10-857-484-1937 |
| 23 | 6 | 3.1 | 9 | 6 | US-10-857-484-1973 |
| 24 | 6 | 3.1 | 9 | 6 | US-10-857-484-2449 |
| 25 | 6 | 3.1 | 9 | 6 | US-10-857-484-2506 |
| 26 | 6 | 3.1 | 9 | 6 | US-10-857-484-2532 |
| 27 | 6 | 3.1 | 9 | 6 | US-10-857-484-3016 |
| 28 | 6 | 3.1 | 9 | 6 | US-10-857-484-3029 |
| 29 | 6 | 3.1 | 9 | 6 | US-10-857-484-3059 |
| 30 | 6 | 3.1 | 9 | 6 | US-10-857-484-3573 |
| 31 | 6 | 3.1 | 9 | 6 | US-10-857-484-3594 |
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| 33 | 6 | 3.1 | 9 | 6 | US-10-857-484-4213 |
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| 39 | 6 | 3.1 | 9 | 6 | US-10-857-484-4699 |
| 40 | 6 | 3.1 | 9 | 6 | US-10-857-484-4779 |
| 41 | 6 | 3.1 | 9 | 6 | US-10-857-484-4876 |
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| 43 | 6 | 3.1 | 9 | 6 | US-10-857-484-5080 |
| 44 | 6 | 3.1 | 9 | 6 | US-10-857-484-5087 |
| 45 | 6 | 3.1 | 9 | 6 | US-10-857-484-5185 |
| 46 | 6 | 3.1 | 9 | 6 | US-10-857-484-5188 |
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| 48 | 6 | 3.1 | 10 | 6 | US-10-857-484-482 |
| 49 | 6 | 3.1 | 10 | 6 | US-10-857-484-504 |
| 50 | 6 | 3.1 | 10 | 6 | US-10-857-484-517 |
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| 52 | 6 | 3.1 | 10 | 6 | US-10-857-484-1064 |
| 53 | 6 | 3.1 | 10 | 6 | US-10-857-484-1085 |
| 54 | 6 | 3.1 | 10 | 6 | US-10-857-484-1091 |
| 55 | 6 | 3.1 | 10 | 6 | US-10-857-484-1123 |
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| 67 | 6 | 3.1 | 10 | 6 | US-10-857-484-2756 |
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| 93 | 6 | 3.1 | 15 | 6 | US-10-857-484-5970 |
| 94 | 6 | 3.1 | 15 | 6 | US-10-857-484-6113 |
| 95 | 6 | 3.1 | 15 | 6 | US-10-857-484-6116 |
| 96 | 6 | 3.1 | 15 | 6 | US-10-857-484-6124 |
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104     6      3.1 24 7 US-11-094-071-29 Sequence 29, Appl
105     6      3.1 34 7 US-11-122-795-15 Sequence 15, Appl
106     6      3.1 35 6 US-10-467-657-8877 Sequence 8877, Ap
107     6      3.1 35 6 US-10-532-480-7 Sequence 7, Appli
108     6      3.1 35 6 US-10-532-480-9 Sequence 2975, Ap
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110     6      3.1 114 6 US-10-857-484-6546 Sequence 4, Appli
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112     6      3.1 123 6 US-10-663-703-68 Sequence 150, App
113     6      3.1 123 6 US-10-857-484-150 Sequence 6530, Ap
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117     6      3.1 123 7 US-11-102-240-68 Sequence 19, Appl
118     6      3.1 123 7 US-11-094-071-25 Sequence 155, App
119     6      3.1 123 7 US-11-155-288-19 Sequence 26, Appl
120     6      3.1 125 7 US-11-226-657-155 Sequence 178, App
121     6      3.1 128 5 US-09-810-501-26 Sequence 6660, Ap
122     6      3.1 129 6 US-10-467-657-6660 Sequence 2720, Ap
123     6      3.1 131 6 US-11-072-512-2720 Sequence 310, App
124     6      3.1 138 7 US-11-082-389-310 Sequence 343, App
125     6      3.1 145 7 US-10-485-517-343 Sequence 2908, Ap
126     6      3.1 147 6 US-11-072-512-2908 Sequence 260, App
127     6      3.1 157 7 US-10-714-887-260 Sequence 250, App
128     6      3.1 162 6 US-10-714-887-260 Sequence 199, App
129     6      3.1 164 6 US-11-108-172-199 Sequence 280, App
130     6      3.1 168 7 US-11-108-172-199 Sequence 207, App
131     6      3.1 170 6 US-10-055-877-207 Sequence 208, App
132     6      3.1 179 6 US-10-055-877-208 Sequence 2690, Ap
133     6      3.1 185 6 US-10-055-877-208 Sequence 217, App
134     6      3.1 199 6 US-11-793-626-2690 Sequence 210, App
135     6      3.1 216 7 US-11-186-284-217 Sequence 12, Appl
136     6      3.1 216 7 US-11-169-041-210 Sequence 8, Appli
137     6      3.1 222 7 US-11-216-267-12 Sequence 5738, Ap
138     6      3.1 222 7 US-11-232-382-12 Sequence 4, Appli
139     6      3.1 226 6 US-10-512-376-8 Sequence 41, Appli
140     6      3.1 235 6 US-10-467-657-5738 Sequence 1570, Ap
141     6      3.1 243 6 US-10-515-868-4 Sequence 220, App
142     6      3.1 243 6 US-10-506-443A-41 Sequence 223, App
143     6      3.1 245 6 US-10-467-657-1570 Sequence 19, Appl
144     6      3.1 251 7 US-11-186-284-220 Sequence 1490, Ap
145     6      3.1 251 7 US-11-072-175-223 Sequence 215, App
146     6      3.1 252 6 US-10-527-500-19 Sequence 88, Appl
147     6      3.1 253 7 US-11-054-515-1490 Sequence 6, Appli
148     6      3.1 267 7 US-11-186-284-215
149     6      3.1 285 7 US-11-037-243-88
150     6      3.1 292 6 US-10-965-972-6

ALIGNMENTS

RESULT 1
US-10-821-234-1162
; Sequence 1162, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704

Query Match 4.1%; Score 112; DB 6; Length 201;
Best Local Similarity 100.0%; Pred. No. 9.2e-104;
Matches 112; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 41 EGKDPAVIRSLLEPPPIVVGNTLSVVGSTSVPLSSPLKVDLVLEKEVAGIWKIPCT 100
Db 49 EGKDPAVIRSLLEPPPIVVGNTLSVVGSTSVPLSSPLKVDLVLEKEVAGIWKIPCT 108
QY 101 DYIGSCTTFHFCDVLDMLIPTGEPCEPLRTYGLPCHCFFKEGTYSLPKSEF 152
Db 109 DYIGSCTTFHFCDVLDMLIPTGEPCEPLRTYGLPCHCFFKEGTYSLPKSEF 160

RESULT 2
US-10-821-234-1180
; Sequence 1180, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pt_seq_genes Version 1.0
; SEQ ID NO 1180
; LENGTH: 410
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-821-234-1180

Query Match 4.1%; Score 8; DB 6; Length 410;
Best Local Similarity 100.0%; Pred. No. 2.4;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 86 LEKEVAGL 93
Db 297 LEKEVAGL 304

RESULT 3
US-11-098-686-10273
; Sequence 10273, Application US/11098686
; Publication No. US20060024696A1
; GENERAL INFORMATION:
; APPLICANT: Kapur, Vivek and Gebhart, Connie J.
; TITLE OF INVENTION: NUCLEIC ACID AND POLYPEPTIDE SEQUENCES
; FILE REFERENCE: 09531-128001
; CURRENT APPLICATION NUMBER: PCT/US03/31318
; CURRENT FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: US/11/098,686
; PRIOR FILING DATE: 2003-10-01
; PRIOR APPLICATION NUMBER: US 60/416,395
; PRIOR FILING DATE: 2002-10-04
; NUMBER OF SEQ ID NOS: 11433
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10273
; LENGTH: 162
; TYPE: PRT
; ORGANISM: Lawsonia intracellularis
```

US-11-098-686-10273

Query Match 3.6%; Score 7; DB 7; Length 162;
Best Local Similarity 100.0%; Pred. No. 9.5;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 26 KKPSQLS 32
Db 135 KKPSQLS 141

RESULT 4

US-10-965-972-8
; Sequence 8, Application US/10965972
; Publication No. US20050266421A1
; GENERAL INFORMATION:
; APPLICANT: Immunex Corporation
; APPLICANT: Bird, Timothy A.
; APPLICANT: Youakim, Adel
; TITLE OF INVENTION: Claudin Polypeptides, Polynucleotides, and Methods of Making and
; TITLE OF INVENTION: Use Thereof
; FILE REFERENCE: 3426-WO
; CURRENT APPLICATION NUMBER: US/10/965,972
; CURRENT FILING DATE: 2004-10-15
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 8
; LENGTH: 296
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-965-972-8

Query Match 3.6%; Score 7; DB 6; Length 296;
Best Local Similarity 100.0%; Pred. No. 17;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGULLA 18
Db 92 ALGULLA 98

RESULT 5

US-10-858-730-114
; Sequence 114, Application US/10858730
; Publication No. US20050255568A1
; GENERAL INFORMATION:
; APPLICANT: Bailey, Richard B.
; APPLICANT: Blomquist, Paul
; APPLICANT: Doten, Reed
; APPLICANT: Driggers, Edward M.
; APPLICANT: Madden, Kevin T.
; APPLICANT: O'Leary, Jessica
; APPLICANT: O'Toole, George
; APPLICANT: Trueheart, Joshua
; APPLICANT: Walbridge, Michael J.
; APPLICANT: Yorgey, Peter S.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR AMINO ACID
; TITLE OF INVENTION: PRODUCTION
; FILE REFERENCE: 14184-030001
; CURRENT APPLICATION NUMBER: US/10/858,730
; CURRENT FILING DATE: 2004-06-01
; PRIOR APPLICATION NUMBER: US 60/475,000
; PRIOR FILING DATE: 2003-05-30
; PRIOR APPLICATION NUMBER: US 60/551,860
; PRIOR FILING DATE: 2004-03-10
; NUMBER OF SEQ ID NOS: 364
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 114
; LENGTH: 334
; TYPE: PRT
; ORGANISM: Streptomyces coelicolor
US-10-858-730-114

Query Match 3.6%; Score 7; DB 6; Length 334;
Best Local Similarity 100.0%; Pred. No. 19;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGULLA 18
Db 158 ALGULLA 164

RESULT 6

US-11-074-176-238
; Sequence 238, Application US/11074176
; Publication No. US20050250135A1
; GENERAL INFORMATION:
; APPLICANT: Klaenhammer, Todd R.
; APPLICANT: Russell, William M.
; APPLICANT: Altermann, Eric
; APPLICANT: McAuliffe, Olivia
; APPLICANT: Peril, Andrea Azcarate
; TITLE OF INVENTION: Nucleic Acid Sequences Encoding
; TITLE OF INVENTION: Stress-Related Proteins and Uses Therefore
; FILE REFERENCE: 5051-694
; CURRENT APPLICATION NUMBER: US/11/074,176
; CURRENT FILING DATE: 2005-03-07
; PRIOR APPLICATION NUMBER: 60/551,161
; PRIOR FILING DATE: 2004-03-08
; NUMBER OF SEQ ID NOS: 381
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 238
; LENGTH: 456
; TYPE: PRT
; ORGANISM: Lactobacillus acidophilus
US-11-074-176-238

Query Match 3.6%; Score 7; DB 7; Length 456;
Best Local Similarity 100.0%; Pred. No. 26;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 11 IALGULL 17
Db 130 IALGULL 136

RESULT 7

US-11-098-686-10951
; Sequence 10951, Application US/11098686
; Publication No. US2006024696A1
; GENERAL INFORMATION:
; APPLICANT: Kapur, Vivek and Gebhart, Connie J.
; TITLE OF INVENTION: NUCLEIC ACID AND POLYPEPTIDE SEQUENCES
; TITLE OF INVENTION: FROM LAWSONIA INTRACELLULARIS AND METHODS OF USING
; FILE REFERENCE: 09531-128001
; CURRENT APPLICATION NUMBER: US/11/098,686
; CURRENT FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: PCT/US03/31318
; PRIOR FILING DATE: 2003-10-01
; PRIOR APPLICATION NUMBER: US 60/416,395
; PRIOR FILING DATE: 2002-10-04
; NUMBER OF SEQ ID NOS: 11433
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10951
; LENGTH: 1102
; TYPE: PRT
; ORGANISM: Lawsonia intracellularis
US-11-098-686-10951

Query Match 3.6%; Score 7; DB 7; Length 1102;
Best Local Similarity 100.0%; Pred. No. 60;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 26 KKPSQLS 32
Db 1094 KKPSQLS 1100

RESULT 8
US-10-857-484-207
; Sequence 207, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 207
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-207

Query Match 3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 ALGILL 17
Db 4 ALGILL 9

RESULT 9
US-10-857-484-226
; Sequence 226, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 226
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-226

Query Match 3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 ALGILL 17
Db 3 ALGILL 8

RESULT 10
US-10-857-484-254
; Sequence 254, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:

; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 254
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-254

Query Match 3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 ALGILL 17
Db 2 ALGILL 7

RESULT 11
US-10-857-484-271
; Sequence 271, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 271
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-271

Query Match 3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 ALGILL 17
Db 1 ALGILL 6

RESULT 12
US-10-857-484-755
; Sequence 755, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800

```
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 755
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-755

Query Match      3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGLLL 17
Db 4 ALGLLL 9

RESULT 13
US-10-857-484-782
; Sequence 782, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR FILING DATE: 2003-05-30
; PRIOR APPLICATION NUMBER: US 60/475,064
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 782
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-782

Query Match      3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGLLL 17
Db 1 ALGLLL 6

RESULT 14
US-10-857-484-829
; Sequence 829, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR FILING DATE: 2003-05-30
; PRIOR APPLICATION NUMBER: US 60/475,064
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 829
```

```
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-829

Query Match      3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGLLL 17
Db 3 ALGLLL 8

RESULT 15
US-10-857-484-834
; Sequence 834, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR FILING DATE: 2003-05-30
; PRIOR APPLICATION NUMBER: US 60/475,064
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 834
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-834

Query Match      3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGLLL 17
Db 2 ALGLLL 7

RESULT 16
US-10-857-484-1322
; Sequence 1322, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR FILING DATE: 2003-05-30
; PRIOR APPLICATION NUMBER: US 60/475,064
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1322
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-1322

Query Match      3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 ALGLLL 17
|||||
Db 4 ALGLLL 9

RESULT 17

US-10-857-484-1339
; Sequence 1339, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:

; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.

; APPLICANT: Raitano, Arthur B.

; APPLICANT: Jakobovits, Aya

; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF

; FILE REFERENCE: 511582008800

; CURRENT APPLICATION NUMBER: US/10/857,484

; CURRENT FILING DATE: 2004-05-28

; PRIOR FILING DATE: 2003-05-30

; NUMBER OF SEQ ID NOS: 6556

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 1339

; LENGTH: 9

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-857-484-1339

Query Match 3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 ALGLLL 17
|||||
Db 1 ALGLLL 6

RESULT 18

US-10-857-484-1373

; Sequence 1373, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:

; APPLICANT: Ge, Wangmao

; APPLICANT: Challita-Eid, Pia M.

; APPLICANT: Raitano, Arthur B.

; APPLICANT: Jakobovits, Aya

; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)

; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF

; FILE REFERENCE: 511582008800

; CURRENT APPLICATION NUMBER: US/10/857,484

; CURRENT FILING DATE: 2004-05-28

; PRIOR FILING DATE: 2003-05-30

; NUMBER OF SEQ ID NOS: 6556

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 1373

; LENGTH: 9

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-857-484-1373

Query Match 3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 ALGLLL 17
|||||
Db 3 ALGLLL 8

RESULT 19

US-10-857-484-1418

; Sequence 1418, Application US/10857484

; Publication No. US20060029940A1

; GENERAL INFORMATION:

; APPLICANT: Ge, Wangmao

; APPLICANT: Challita-Eid, Pia M.

; APPLICANT: Raitano, Arthur B.

; APPLICANT: Jakobovits, Aya

; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)

; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF

; FILE REFERENCE: 511582008800

; CURRENT APPLICATION NUMBER: US/10/857,484

; CURRENT FILING DATE: 2004-05-28

; PRIOR FILING DATE: 2003-05-30

; NUMBER OF SEQ ID NOS: 6556

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 1418

; LENGTH: 9

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-857-484-1418

Query Match 3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 ALGLLL 17
|||||
Db 2 ALGLLL 7

RESULT 20

US-10-857-484-1894

; Sequence 1894, Application US/10857484

; Publication No. US20060029940A1

; GENERAL INFORMATION:

; APPLICANT: Ge, Wangmao

; APPLICANT: Challita-Eid, Pia M.

; APPLICANT: Raitano, Arthur B.

; APPLICANT: Jakobovits, Aya

; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)

; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF

; FILE REFERENCE: 511582008800

; CURRENT APPLICATION NUMBER: US/10/857,484

; CURRENT FILING DATE: 2004-05-28

; PRIOR FILING DATE: 2003-05-30

; NUMBER OF SEQ ID NOS: 6556

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 1894

; LENGTH: 9

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-857-484-1894

Query Match 3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 ALGLLL 17
|||||
Db 4 ALGLLL 9

RESULT 21

US-10-857-484-1908

; Sequence 1908, Application US/10857484

; Publication No. US20060029940A1

; GENERAL INFORMATION:

; APPLICANT: Ge, Wangmao

; APPLICANT: Challita-Eid, Pia M.

```
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; FILE REFERENCE: 511582008800
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1908
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-1908

Query Match          3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGLLL 17
Db 3 ALGLLL 8

RESULT 22
US-10-857-484-1937
; Sequence 1937, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1937
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-1937

Query Match          3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGLLL 17
Db 1 ALGLLL 6

RESULT 23
US-10-857-484-1973
; Sequence 1973, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2506
; LENGTH: 9
; TYPE: PRT
US-10-857-484-2506

Query Match          3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGLLL 17
Db 4 ALGLLL 9

RESULT 24
US-10-857-484-2449
; Sequence 2449, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2449
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-2449

Query Match          3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGLLL 17
Db 4 ALGLLL 9

RESULT 25
US-10-857-484-2506
; Sequence 2506, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2506
; LENGTH: 9
; TYPE: PRT
US-10-857-484-2506
```

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; ORGANISM: Homo sapiens
US-10-857-484-2506

Query Match          3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 ALGLLL 17
Db 3 ALGLLL 8

RESULT 26
US-10-857-484-2532
; Sequence 2532, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2532
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-2532

Query Match          3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 ALGLLL 17
Db 1 ALGLLL 6

RESULT 27
US-10-857-484-3016
; Sequence 3016, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3016
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-3016

Query Match          3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 ALGLLL 17
Db 1 ALGLLL 6

RESULT 28
US-10-857-484-3029
; Sequence 3029, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3029
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-3029

Query Match          3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 ALGLLL 17
Db 3 ALGLLL 8

RESULT 29
US-10-857-484-3059
; Sequence 3059, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3059
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-3059

Query Match          3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 ALGLLL 17
Db 1 ALGLLL 6

RESULT 30
US-10-857-484-3573
```



```
; Sequence 3573, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR FILING DATE: 2004-05-28
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3573
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-3573

Query Match          3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGULL 17
Db 3 ALGULL 8

RESULT 31
US-10-857-484-3594
; Sequence 3594, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR FILING DATE: 2004-05-28
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3594
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-3594

Query Match          3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGULL 17
Db 4 ALGULL 9

RESULT 32
US-10-857-484-3658
; Sequence 3658, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
```

```
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR FILING DATE: 2004-05-28
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3658
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-3658

Query Match          3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGULL 17
Db 1 ALGULL 6

RESULT 33
US-10-857-484-4213
; Sequence 4213, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR FILING DATE: 2004-05-28
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4213
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-4213

Query Match          3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGULL 17
Db 4 ALGULL 9

RESULT 34
US-10-857-484-4230
; Sequence 4230, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR FILING DATE: 2003-05-30
```

```
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 4230
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-4230

Query Match          3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 ALGLLL 17
Db      1 ALGLLL 6

RESULT 37
US-10-857-484-4588
; Sequence 4588, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 4588
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-4588

Query Match          3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 ALGLLL 17
Db      4 ALGLLL 9

RESULT 38
US-10-857-484-4594
; Sequence 4594, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 4594
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-4594

Query Match          3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 ALGLLL 17
Db      1 ALGLLL 6

RESULT 35
US-10-857-484-4374
; Sequence 4374, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 4374
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-4374

Query Match          3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 ALGLLL 17
Db      4 ALGLLL 9

RESULT 36
US-10-857-484-4392
; Sequence 4392, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 4392
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-4392
```

```
Db          3  ALGLLL 8

RESULT 39
US-10-857-484-4699
; Sequence 4699, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; PRIOR FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4699
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-4699

Query Match          3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy          12  ALGLLL 17
Db          4  ALGLLL 9

RESULT 40
US-10-857-484-4779
; Sequence 4779, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4779
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-4779

Query Match          3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy          12  ALGLLL 17
Db          4  ALGLLL 9

RESULT 41
US-10-857-484-4876
; Sequence 4876, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4876
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-4876

Query Match          3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy          12  ALGLLL 17
Db          4  ALGLLL 9

RESULT 42
US-10-857-484-4988
; Sequence 4988, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4988
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-4988

Query Match          3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy          12  ALGLLL 17
Db          4  ALGLLL 9

RESULT 43
US-10-857-484-5080
; Sequence 5080, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5080
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-5080

Query Match          3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy          12  ALGLLL 17
Db          4  ALGLLL 9
```

```
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5080
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-5080

Query Match
Best Local Similarity 3.1%; Score 6; DB 6; Length 9;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 ALGLLL 17
Db 3 ALGLLL 8

RESULT 44
US-10-857-484-5087
; Sequence 5087, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5087
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-5087

Query Match
Best Local Similarity 3.1%; Score 6; DB 6; Length 9;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 ALGLLL 17
Db 4 ALGLLL 9

RESULT 45
US-10-857-484-5185
; Sequence 5185, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5185
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-5185

Query Match
Best Local Similarity 3.1%; Score 6; DB 6; Length 9;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 ALGLLL 17
Db 3 ALGLLL 8

RESULT 46
US-10-857-484-5188
; Sequence 5188, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5188
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-5188

Query Match
Best Local Similarity 3.1%; Score 6; DB 6; Length 9;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 ALGLLL 17
Db 3 ALGLLL 8

RESULT 47
US-10-857-484-464
; Sequence 464, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 464
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-464

Query Match
Best Local Similarity 3.1%; Score 6; DB 6; Length 10;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGULL 17
| | | | |
Db 5 ALGULL 10

RESULT 48

US-10-857-484-482

; Sequence 482, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 482
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-482

Query Match 3.1%; Score 6; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGULL 17
| | | | |
Db 4 ALGULL 9

RESULT 49

US-10-857-484-504

; Sequence 504, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 504
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-504

Query Match 3.1%; Score 6; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGULL 17
| | | | |
Db 3 ALGULL 8

RESULT 50

US-10-857-484-517
; Sequence 517, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 517
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-517

Query Match 3.1%; Score 6; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGULL 17
| | | | |
Db 1 ALGULL 6

RESULT 51

US-10-857-484-1033
; Sequence 1033, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1033
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-1033

Query Match 3.1%; Score 6; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGULL 17
| | | | |
Db 5 ALGULL 10

RESULT 52

US-10-857-484-1064
; Sequence 1064, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao

```
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; PRIOR FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1064
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-1064

Query Match      3.1%; Score 6; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 ALGILL 17
DB      4 ALGILL 9

RESULT 53
US-10-857-484-1085
; Sequence 1085, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1085
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-1085

Query Match      3.1%; Score 6; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 ALGILL 17
DB      1 ALGILL 6

RESULT 54
US-10-857-484-1091
; Sequence 1091, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484

; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1091
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-1091

Query Match      3.1%; Score 6; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 ALGILL 17
DB      3 ALGILL 8

RESULT 55
US-10-857-484-1123
; Sequence 1123, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1123
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-1123

Query Match      3.1%; Score 6; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 ALGILL 17
DB      2 ALGILL 7

RESULT 56
US-10-857-484-1602
; Sequence 1602, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1602
; LENGTH: 10
```

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; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-1602

Query Match          3.1%; Score 6; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGULL 17
Db 5 ALGULL 10

RESULT 57
US-10-857-484-1609
; Sequence 1609, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1609
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-1609

Query Match          3.1%; Score 6; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGULL 17
Db 4 ALGULL 9

RESULT 58
US-10-857-484-1645
; Sequence 1645, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1645
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-1645

Query Match          3.1%; Score 6; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGULL 17
Db 2 ALGULL 7

RESULT 61
US-10-857-484-1678
; Sequence 1678, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1678
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-1678

Query Match          3.1%; Score 6; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGULL 17
Db 3 ALGULL 8

RESULT 60
US-10-857-484-1689
; Sequence 1689, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1689
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-1689

Query Match          3.1%; Score 6; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGULL 17
Db 2 ALGULL 7

RESULT 61
US-10-857-484-1689
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US-10-857-484-2169
; Sequence 2169, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2169
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-2169

Query Match          3.1%; Score 6; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 ALGLLL 17
DB 5 ALGLLL 10

RESULT 62
US-10-857-484-2174
; Sequence 2174, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2174
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-2174

Query Match          3.1%; Score 6; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 ALGLLL 17
DB 4 ALGLLL 9

RESULT 63
US-10-857-484-2222
; Sequence 2222, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.

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; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2222
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-2222

Query Match          3.1%; Score 6; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 ALGLLL 17
DB 3 ALGLLL 8

RESULT 64
US-10-857-484-2227
; Sequence 2227, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2227
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-2227

Query Match          3.1%; Score 6; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 ALGLLL 17
DB 1 ALGLLL 6

RESULT 65
US-10-857-484-2248
; Sequence 2248, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2248
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-2248

```



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; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2248
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-2248

Query Match      3.1%; Score 6; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGLLL 17
Db 2 ALGLLL 7

RESULT 66
US-10-857-484-2725
; Sequence 2725, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2725
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-2725

Query Match      3.1%; Score 6; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGLLL 17
Db 5 ALGLLL 10

RESULT 67
US-10-857-484-2756
; Sequence 2756, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2756
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-2756

Query Match      3.1%; Score 6; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGLLL 17
Db 1 ALGLLL 6

RESULT 68
US-10-857-484-2814
; Sequence 2814, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2814
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-2814

Query Match      3.1%; Score 6; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGLLL 17
Db 1 ALGLLL 6

RESULT 69
US-10-857-484-2818
; Sequence 2818, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2818
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-2818

Query Match      3.1%; Score 6; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGLLL 17
Db 12 ALGLLL 17
```

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Db          |||||      3 ALGLLL 8

RESULT 70
US-10-857-484-3284
; Sequence 3284, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3284
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-3284

Query Match           3.1%; Score 6; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy          12 ALGLLL 17
Db          5 ALGLLL 10

RESULT 71
US-10-857-484-3315
; Sequence 3315, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3315
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-3315

Query Match           3.1%; Score 6; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy          12 ALGLLL 17
Db          3 ALGLLL 8

RESULT 72
US-10-857-484-3340
; Sequence 3340, Application US/10857484

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; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; PRIOR FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 3865
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-3865

Query Match 3.1%; Score 6; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGLLL 17
| | | | |
Db 5 ALGLLL 10

RESULT 75

US-10-857-484-3876
; Sequence 3876, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 3876
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-3876

Query Match 3.1%; Score 6; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGLLL 17
| | | | |
Db 4 ALGLLL 9

RESULT 76

US-10-857-484-3888
; Sequence 3888, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556

; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 3888
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-3888

Query Match 3.1%; Score 6; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGLLL 17
| | | | |
Db 3 ALGLLL 8

RESULT 77

US-10-857-484-3936
; Sequence 3936, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 3936
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-3936

Query Match 3.1%; Score 6; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGLLL 17
| | | | |
Db 1 ALGLLL 6

RESULT 78

US-10-857-484-5228
; Sequence 5228, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5228
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-5228

```
Query Match          3.1%; Score 6; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 ALGLLL 17
Db      5 ALGLLL 10

RESULT 79
US-10-857-484-5298
; Sequence 5298, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; PRIOR FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5298
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-5298

Query Match          3.1%; Score 6; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 ALGLLL 17
Db      5 ALGLLL 10

RESULT 80
US-10-857-484-5322
; Sequence 5322, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; PRIOR FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5322
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-5322

Query Match          3.1%; Score 6; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 ALGLLL 17
Db      4 ALGLLL 9

RESULT 81
US-10-857-484-5521
; Sequence 5521, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5521
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-5521

Query Match          3.1%; Score 6; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 ALGLLL 17
Db      5 ALGLLL 10

RESULT 82
US-10-857-484-5543
; Sequence 5543, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5543
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-5543

Query Match          3.1%; Score 6; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 ALGLLL 17
Db      4 ALGLLL 9

RESULT 83
US-10-857-484-5544
; Sequence 5544, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
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```
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5544
; LENGTH: 10
; TYPE: PR1
; ORGANISM: Homo sapiens
US-10-857-484-5544

Query Match          3.1%; Score 6; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGLLL 17
Db 1 ALGLLL 6

RESULT 84
US-10-857-484-5666
; Sequence 5666, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5666
; LENGTH: 10
; TYPE: PR1
; ORGANISM: Homo sapiens
US-10-857-484-5666

Query Match          3.1%; Score 6; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGLLL 17
Db 1 ALGLLL 6

RESULT 85
US-10-857-484-5735
; Sequence 5735, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5735
; LENGTH: 10
; TYPE: PR1
; ORGANISM: Homo sapiens
US-10-857-484-5735

Query Match          3.1%; Score 6; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGLLL 17
Db 5 ALGLLL 10

RESULT 86
US-10-857-484-5743
; Sequence 5743, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5743
; LENGTH: 10
; TYPE: PR1
; ORGANISM: Homo sapiens
US-10-857-484-5743

Query Match          3.1%; Score 6; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGLLL 17
Db 3 ALGLLL 8

RESULT 87
US-10-857-484-5839
; Sequence 5839, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5839
```

```
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-5839

Query Match          3.1%; Score 6; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 ALGLLL 17
Db 5 ALGLLL 10

RESULT 88
US-10-857-484-5847
; Sequence 5847, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; PRIOR FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5847
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-5847

Query Match          3.1%; Score 6; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 ALGLLL 17
Db 4 ALGLLL 9

RESULT 89
US-10-857-484-5944
; Sequence 5944, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5944
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-5944

Query Match          3.1%; Score 6; DB 6; Length 15;
Best Local Similarity 100.0%; Pred. No. 9.6;

US-10-857-484-5953
; Sequence 5953, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5953
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-5953

Query Match          3.1%; Score 6; DB 6; Length 15;
Best Local Similarity 100.0%; Pred. No. 9.6;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 ALGLLL 17
Db 7 ALGLLL 12

RESULT 91
US-10-857-484-5962
; Sequence 5962, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5962
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-5962

Query Match          3.1%; Score 6; DB 6; Length 15;
Best Local Similarity 100.0%; Pred. No. 9.6;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 ALGLLL 17
Db 10 ALGLLL 15
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RESULT 92
 US-10-857-484-5967
 ; Sequence 5967, Application US/10857484
 ; Publication No. US20060029940A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ge, Wangmao
 ; APPLICANT: Challita-Eid, Pia M.
 ; APPLICANT: Raitano, Arthur B.
 ; APPLICANT: Jakobovits, Aya
 ; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
 ; FILE REFERENCE: 511582008800
 ; CURRENT APPLICATION NUMBER: US/10/857,484
 ; CURRENT FILING DATE: 2004-05-28
 ; PRIOR APPLICATION NUMBER: US 60/475,064
 ; PRIOR FILING DATE: 2003-05-30
 ; NUMBER OF SEQ ID NOS: 6556
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 5967
 ; LENGTH: 15
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-857-484-5967

Query Match 3.1%; Score 6; DB 6; Length 15;
 Best Local Similarity 100.0%; Pred. No. 9.6;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGLLL 17
 Db 4 ALGLLL 9
 |||||

RESULT 93
 US-10-857-484-5970
 ; Sequence 5970, Application US/10857484
 ; Publication No. US20060029940A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ge, Wangmao
 ; APPLICANT: Challita-Eid, Pia M.
 ; APPLICANT: Raitano, Arthur B.
 ; APPLICANT: Jakobovits, Aya
 ; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
 ; FILE REFERENCE: 511582008800
 ; CURRENT APPLICATION NUMBER: US/10/857,484
 ; CURRENT FILING DATE: 2004-05-28
 ; PRIOR APPLICATION NUMBER: US 60/475,064
 ; PRIOR FILING DATE: 2003-05-30
 ; NUMBER OF SEQ ID NOS: 6556
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 5970
 ; LENGTH: 15
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-857-484-5970

Query Match 3.1%; Score 6; DB 6; Length 15;
 Best Local Similarity 100.0%; Pred. No. 9.6;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGLLL 17
 Db 6 ALGLLL 11
 |||||

RESULT 94
 US-10-857-484-6113
 ; Sequence 6113, Application US/10857484
 ; Publication No. US20060029940A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ge, Wangmao
 ; APPLICANT: Challita-Eid, Pia M.

; APPLICANT: Raitano, Arthur B.
 ; APPLICANT: Jakobovits, Aya
 ; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
 ; FILE REFERENCE: 511582008800
 ; CURRENT APPLICATION NUMBER: US/10/857,484
 ; CURRENT FILING DATE: 2004-05-28
 ; PRIOR APPLICATION NUMBER: US 60/475,064
 ; PRIOR FILING DATE: 2003-05-30
 ; NUMBER OF SEQ ID NOS: 6556
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 6113
 ; LENGTH: 15
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-857-484-6113

Query Match 3.1%; Score 6; DB 6; Length 15;
 Best Local Similarity 100.0%; Pred. No. 9.6;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGLLL 17
 Db 7 ALGLLL 12
 |||||

RESULT 95
 US-10-857-484-6116
 ; Sequence 6116, Application US/10857484
 ; Publication No. US20060029940A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ge, Wangmao
 ; APPLICANT: Challita-Eid, Pia M.
 ; APPLICANT: Raitano, Arthur B.
 ; APPLICANT: Jakobovits, Aya
 ; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
 ; FILE REFERENCE: 511582008800
 ; CURRENT APPLICATION NUMBER: US/10/857,484
 ; CURRENT FILING DATE: 2004-05-28
 ; PRIOR APPLICATION NUMBER: US 60/475,064
 ; PRIOR FILING DATE: 2003-05-30
 ; NUMBER OF SEQ ID NOS: 6556
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 6116
 ; LENGTH: 15
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-857-484-6116

Query Match 3.1%; Score 6; DB 6; Length 15;
 Best Local Similarity 100.0%; Pred. No. 9.6;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGLLL 17
 Db 9 ALGLLL 14
 |||||

RESULT 96
 US-10-857-484-6124
 ; Sequence 6124, Application US/10857484
 ; Publication No. US20060029940A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ge, Wangmao
 ; APPLICANT: Challita-Eid, Pia M.
 ; APPLICANT: Raitano, Arthur B.
 ; APPLICANT: Jakobovits, Aya
 ; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
 ; FILE REFERENCE: 511582008800
 ; CURRENT APPLICATION NUMBER: US/10/857,484
 ; CURRENT FILING DATE: 2004-05-28

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; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 6124
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-6124

Query Match          3.1%; Score 6; DB 6; Length 15;
Best Local Similarity 100.0%; Pred. No. 9.6;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 ALGLLL 17
Db 10 ALGLLL 15

RESULT 97
US-10-857-484-6133
; Sequence 6133, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 6133
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-6133

Query Match          3.1%; Score 6; DB 6; Length 15;
Best Local Similarity 100.0%; Pred. No. 9.6;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 ALGLLL 17
Db 6 ALGLLL 11

RESULT 98
US-10-857-484-6144
; Sequence 6144, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 6144
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-6144

Query Match          3.1%; Score 6; DB 6; Length 15;
Best Local Similarity 100.0%; Pred. No. 9.6;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 ALGLLL 17
Db 8 ALGLLL 13

RESULT 99
US-10-857-484-6232
; Sequence 6232, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 6232
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-6232

Query Match          3.1%; Score 6; DB 6; Length 15;
Best Local Similarity 100.0%; Pred. No. 9.6;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 ALGLLL 17
Db 9 ALGLLL 14

RESULT 100
US-10-857-484-6233
; Sequence 6233, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 6233
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-6233

Query Match          3.1%; Score 6; DB 6; Length 15;
Best Local Similarity 100.0%; Pred. No. 9.6;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Oy 12 ALGILL 17
| | | | |
Db 7 ALGILL 12

Search completed: February 15, 2006, 09:57:58
Job time : 23.3022 secs

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GenCore version 5.1.7
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: February 15, 2006, 09:32:40 ; Search time 73.7689 Seconds
(without alignments)
216.303 Million cell updates/sec

Title: US-10-030-937-9

Perfect score: 193

Sequence: 1 MQS1MQAPLI1ALGLL1ATP.....LSSGKRLGCKIAASLKGI 193

Scoring table: OIIGO

Gapop 60.0 , Gapext 60.0

Searched: 572060 seqs, 82675679 residues

Word size : 0

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 150 summaries

Database : Issued Patents AA.*

1: /cgn2_6/ptodata/1/iaa/5 COMB.pap.*

2: /cgn2_6/ptodata/1/iaa/6 COMB.pap.*

3: /cgn2_6/ptodata/1/iaa/H COMB.pap.*

4: /cgn2_6/ptodata/1/iaa/PCUTS COMB.pap.*

5: /cgn2_6/ptodata/1/iaa/RE COMB.pap.*

6: /cgn2_6/ptodata/1/iaa/backfiles.pap.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description |
|------------|-------|-------------|--------|----|----------------------|
| 1 | 112 | 58.0 | 178 | 2 | US-09-183-841-2 |
| 2 | 112 | 58.0 | 193 | 2 | US-09-183-841-1 |
| 3 | 10 | 5.2 | 362 | 2 | US-09-902-540-12082 |
| 4 | 9 | 4.7 | 262 | 2 | US-08-961-083-98 |
| 5 | 9 | 4.7 | 262 | 2 | US-09-536-784-98 |
| 6 | 9 | 4.7 | 262 | 2 | US-09-765-271-98 |
| 7 | 9 | 4.7 | 262 | 2 | US-09-765-272A-98 |
| 8 | 9 | 4.7 | 270 | 2 | US-08-961-083-206 |
| 9 | 9 | 4.7 | 270 | 2 | US-08-536-784-206 |
| 10 | 9 | 4.7 | 270 | 2 | US-09-765-271-206 |
| 11 | 9 | 4.7 | 270 | 2 | US-09-765-272A-206 |
| 12 | 9 | 4.7 | 291 | 2 | US-09-583-110-4201 |
| 13 | 9 | 4.7 | 328 | 2 | US-09-107-433-3318 |
| 14 | 8 | 4.1 | 390 | 2 | US-09-949-016-6952 |
| 15 | 8 | 4.1 | 444 | 2 | US-09-252-991A-20496 |
| 16 | 8 | 4.1 | 563 | 2 | US-09-252-991A-23790 |
| 17 | 8 | 4.1 | 769 | 2 | US-09-320-878-12 |
| 18 | 8 | 4.1 | 769 | 2 | US-09-141-908-10 |
| 19 | 8 | 4.1 | 769 | 2 | US-09-657-440-12 |
| 20 | 8 | 4.1 | 769 | 2 | US-08-793-708-12 |
| 21 | 8 | 4.1 | 809 | 2 | US-09-105-537-24 |
| 22 | 8 | 4.1 | 3782 | 2 | US-09-105-537-4 |
| 23 | 7 | 3.6 | 85 | 2 | US-09-270-767-32129 |
| 24 | 7 | 3.6 | 85 | 2 | US-09-270-767-47346 |
| 25 | 7 | 3.6 | 95 | 2 | US-08-916-165A-401 |
| 26 | 7 | 3.6 | 103 | 2 | US-09-270-767-33345 |
| 27 | 7 | 3.6 | 103 | 2 | US-09-270-767-48562 |

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|-----|---|-----|-----|---|----------------------|-------------------|
| 28 | 7 | 3.6 | 115 | 2 | US-09-746-801A-47 | Sequence 47, Appl |
| 29 | 7 | 3.6 | 115 | 2 | US-10-719-885-47 | Sequence 47, Appl |
| 30 | 7 | 3.6 | 150 | 2 | US-10-442-174A-1 | Sequence 1, Appl |
| 31 | 7 | 3.6 | 153 | 2 | US-09-199-637A-213 | Sequence 213, App |
| 32 | 7 | 3.6 | 168 | 2 | US-09-902-540-16420 | Sequence 16420, A |
| 33 | 7 | 3.6 | 170 | 2 | US-09-205-258-1011 | Sequence 1011, Ap |
| 34 | 7 | 3.6 | 170 | 2 | US-10-004-860-1011 | Sequence 1011, Ap |
| 35 | 7 | 3.6 | 213 | 2 | US-09-902-540-13301 | Sequence 13301, A |
| 36 | 7 | 3.6 | 267 | 2 | US-09-489-039A-12889 | Sequence 12889, A |
| 37 | 7 | 3.6 | 269 | 2 | US-09-543-681A-6475 | Sequence 6475, Ap |
| 38 | 7 | 3.6 | 285 | 1 | US-08-149-809-24 | Sequence 24, Appl |
| 39 | 7 | 3.6 | 287 | 2 | US-09-540-236-2879 | Sequence 2879, Ap |
| 40 | 7 | 3.6 | 301 | 2 | US-09-902-540-11985 | Sequence 11985, A |
| 41 | 7 | 3.6 | 315 | 2 | US-09-252-991A-31850 | Sequence 31850, A |
| 42 | 7 | 3.6 | 324 | 2 | US-09-489-039A-7803 | Sequence 7803, Ap |
| 43 | 7 | 3.6 | 325 | 1 | US-08-828-242-4 | Sequence 4, Appl |
| 44 | 7 | 3.6 | 325 | 2 | US-09-206-499-4 | Sequence 4, Appl |
| 45 | 7 | 3.6 | 331 | 1 | US-08-828-242-3 | Sequence 3, Appl |
| 46 | 7 | 3.6 | 331 | 1 | US-08-910-927B-5 | Sequence 5, Appl |
| 47 | 7 | 3.6 | 331 | 2 | US-09-206-499-3 | Sequence 3, Appl |
| 48 | 7 | 3.6 | 331 | 2 | US-09-270-270-5 | Sequence 5, Appl |
| 49 | 7 | 3.6 | 331 | 2 | US-09-961-403-11 | Sequence 11, Appl |
| 50 | 7 | 3.6 | 344 | 2 | US-09-605-703B-180 | Sequence 180, App |
| 51 | 7 | 3.6 | 348 | 2 | US-09-949-016-9513 | Sequence 9513, Ap |
| 52 | 7 | 3.6 | 355 | 2 | US-09-580-929-5 | Sequence 5, Appl |
| 53 | 7 | 3.6 | 364 | 2 | US-09-205-258-1008 | Sequence 1008, Ap |
| 54 | 7 | 3.6 | 364 | 2 | US-10-004-860-1008 | Sequence 1008, Ap |
| 55 | 7 | 3.6 | 369 | 2 | US-09-489-039A-8053 | Sequence 8053, Ap |
| 56 | 7 | 3.6 | 370 | 2 | US-09-543-681A-4353 | Sequence 4353, Ap |
| 57 | 7 | 3.6 | 381 | 2 | US-09-257-580-2 | Sequence 2, Appl |
| 58 | 7 | 3.6 | 473 | 2 | US-09-605-703B-2420 | Sequence 2420, Ap |
| 59 | 7 | 3.6 | 487 | 2 | US-09-902-540-10085 | Sequence 10085, A |
| 60 | 7 | 3.6 | 492 | 2 | US-09-252-991A-32203 | Sequence 32203, A |
| 61 | 7 | 3.6 | 536 | 2 | US-09-188-930-185 | Sequence 185, App |
| 62 | 7 | 3.6 | 536 | 2 | US-09-312-283C-185 | Sequence 185, App |
| 63 | 7 | 3.6 | 590 | 2 | US-09-312-283C-409 | Sequence 409, App |
| 64 | 7 | 3.6 | 605 | 2 | US-09-252-991A-24349 | Sequence 24349, A |
| 65 | 7 | 3.6 | 631 | 2 | US-09-328-352-6860 | Sequence 6860, Ap |
| 66 | 7 | 3.6 | 690 | 2 | US-09-422-840B-6 | Sequence 6, Appl |
| 67 | 7 | 3.6 | 694 | 1 | US-08-895-522-4 | Sequence 4, Appl |
| 68 | 7 | 3.6 | 694 | 2 | US-09-195-391-4 | Sequence 4, Appl |
| 69 | 7 | 3.6 | 694 | 2 | US-09-252-991A-22481 | Sequence 22481, A |
| 70 | 7 | 3.6 | 760 | 2 | US-09-513-057C-27 | Sequence 27, Appl |
| 71 | 7 | 3.6 | 760 | 2 | US-09-746-801A-27 | Sequence 27, Appl |
| 72 | 7 | 3.6 | 766 | 2 | US-10-719-885-27 | Sequence 27, Appl |
| 73 | 7 | 3.6 | 786 | 2 | US-09-509-802-2 | Sequence 2, Appl |
| 74 | 7 | 3.6 | 787 | 2 | US-09-188-930-334 | Sequence 334, App |
| 75 | 7 | 3.6 | 787 | 2 | US-09-312-283C-334 | Sequence 334, App |
| 76 | 7 | 3.6 | 794 | 2 | US-09-134-000C-5518 | Sequence 5518, Ap |
| 77 | 7 | 3.6 | 833 | 2 | US-09-949-016-9530 | Sequence 9530, Ap |
| 78 | 7 | 3.6 | 966 | 2 | US-09-949-016-6669 | Sequence 6669, Ap |
| 79 | 6 | 3.1 | 20 | 2 | US-09-521-527C-3 | Sequence 3, Appl |
| 80 | 6 | 3.1 | 22 | 2 | US-09-028-937-14 | Sequence 14, Appl |
| 81 | 6 | 3.1 | 23 | 2 | US-09-270-767-58789 | Sequence 58789, A |
| 82 | 6 | 3.1 | 24 | 2 | US-09-270-767-61359 | Sequence 61359, A |
| 83 | 6 | 3.1 | 24 | 2 | US-09-080-140-29 | Sequence 29, Appl |
| 84 | 6 | 3.1 | 34 | 2 | US-09-839-577A-15 | Sequence 15, Appl |
| 85 | 6 | 3.1 | 35 | 2 | US-09-148-545-204 | Sequence 204, App |
| 86 | 6 | 3.1 | 35 | 2 | US-09-621-011-204 | Sequence 204, App |
| 87 | 6 | 3.1 | 44 | 2 | US-09-205-258-1196 | Sequence 1196, Ap |
| 88 | 6 | 3.1 | 44 | 2 | US-10-004-860-1196 | Sequence 1196, Ap |
| 89 | 6 | 3.1 | 49 | 2 | US-09-205-258-566 | Sequence 566, App |
| 90 | 6 | 3.1 | 49 | 2 | US-10-004-860-566 | Sequence 566, App |
| 91 | 6 | 3.1 | 50 | 2 | US-09-148-545-223 | Sequence 223, App |
| 92 | 6 | 3.1 | 50 | 2 | US-09-621-011-223 | Sequence 223, App |
| 93 | 6 | 3.1 | 54 | 2 | US-09-513-999C-7761 | Sequence 7761, Ap |
| 94 | 6 | 3.1 | 55 | 2 | US-09-270-767-62426 | Sequence 62426, A |
| 95 | 6 | 3.1 | 56 | 4 | FCT-US92-08558-8 | Sequence 8, Appl |
| 96 | 6 | 3.1 | 59 | 2 | US-09-902-540-11395 | Sequence 11395, A |
| 97 | 6 | 3.1 | 61 | 2 | US-09-248-796A-25577 | Sequence 25577, A |
| 98 | 6 | 3.1 | 65 | 2 | US-08-663-082-2 | Sequence 2, Appl |
| 99 | 6 | 3.1 | 66 | 2 | US-09-107-532A-6727 | Sequence 6727, Ap |
| 100 | 6 | 3.1 | 68 | 2 | US-09-471-276-901 | Sequence 901, App |


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; TYPE: PRT
; ORGANISM: Myxococcus xanthus
US-09-902-540-12082

Query Match          5.2%; Score 10; DB 2; Length 362;
Best Local Similarity 100.0%; Pred. No. 0.15;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      8 PLLIALGULL 17
Db      231 PLLIALGULL 240

RESULT 4
US-08-961-083-98
; Sequence 98, Application US/08961083
; Patent No. 6159469
; GENERAL INFORMATION:
; APPLICANT: Choi et. al.
; TITLE OF INVENTION: Streptococcus pneumoniae Antigenes and Vaccines
; NUMBER OF SEQUENCES: 452
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/961.083
; FILING DATE: 30-Oct-1997
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/961.083
; FILING DATE: OCT-30-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Michelle S. Marks
; REGISTRATION NUMBER: 41,971
; REFERENCE/DOCKET NUMBER: PB340P3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 309-8504
; TELEFAX: (301) 309-8512
; INFORMATION FOR SEQ ID NO: 98:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 262 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; APPLICATION NUMBER: US/08/961.083
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Brookes, A. Anders
; REGISTRATION NUMBER: 36,373
; REFERENCE/DOCKET NUMBER: PB340P2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 309-8504
; TELEFAX: (301) 309-8512
; INFORMATION FOR SEQ ID NO: 98:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 262 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-961-083-98

Query Match          4.7%; Score 9; DB 2; Length 262;
Best Local Similarity 100.0%; Pred. No. 1.1;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      66 LSVVGSTSV 74
Db      155 LSVVGSTSV 163

RESULT 5
US-09-536-784-98
; Sequence 98, Application US/09536784
; Patent No. 6573082
; GENERAL INFORMATION:
; APPLICANT: Choi et. al.
; TITLE OF INVENTION: Streptococcus pneumoniae Antigenes and Vaccines
; NUMBER OF SEQUENCES: 452

```

```

; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/536,784
; FILING DATE: 30-Oct-1997
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/961.083
; FILING DATE: OCT-30-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Michelle S. Marks
; REGISTRATION NUMBER: 41,971
; REFERENCE/DOCKET NUMBER: PB340P3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 309-8504
; TELEFAX: (301) 309-8512
; INFORMATION FOR SEQ ID NO: 98:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 262 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 98:
US-09-536-784-98

Query Match          4.7%; Score 9; DB 2; Length 262;
Best Local Similarity 100.0%; Pred. No. 1.1;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      66 LSVVGSTSV 74
Db      155 LSVVGSTSV 163

RESULT 6
US-09-765-271-98
; Sequence 98, Application US/09765271
; Patent No. 6887663
; GENERAL INFORMATION:
; APPLICANT: Choi et. al.
; TITLE OF INVENTION: Streptococcus pneumoniae Antigenes and Vaccines
; NUMBER OF SEQUENCES: 452
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/765,271
; FILING DATE: 22-Jan-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/536,784
; FILING DATE: <Unknown>
; APPLICATION NUMBER: 08/961,083

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; FILING DATE: OCT-30-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Michelle S. Marks
; REGISTRATION NUMBER: 41,971
; REFERENCE/DOCKET NUMBER: PB340P3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 309-8504
; TELEFAX: (301) 309-8512
; INFORMATION FOR SEQ ID NO: 98:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 262 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 98:
US-09-765-271-98
;
;
; Query Match 4.7%; Score 9; DB 2; Length 262;
; Best Local Similarity 100.0%; Pred. No. 1.1;
; Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
;
; QY 66 LSVVGSTSV 74
; Db 155 LSVVGSTSV 163
;
; RESULT 7
; US-09-765-272A-98
; Sequence 98, Application US/09765272A
; Patent No. 6929930
; GENERAL INFORMATION:
; APPLICANT: Choi et. al.
; TITLE OF INVENTION: Streptococcus pneumoniae Antigen and Vaccines
; NUMBER OF SEQUENCES: 452
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: Dell Latitude C610
; OPERATING SYSTEM: Windows 2000
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/765,272A
; FILING DATE: 22-Jan-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/961,083
; FILING DATE: OCT-30-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Lin J. Hymel
; REGISTRATION/DOCKET NUMBER: PB340P2C2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 610-5790
; TELEFAX: (301) 309-8439
; INFORMATION FOR SEQ ID NO: 98:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 262 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 98:
US-09-765-272A-98
;
;
; Query Match 4.7%; Score 9; DB 2; Length 262;
; Best Local Similarity 100.0%; Pred. No. 1.1;
; Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
;
; QY 66 LSVVGSTSV 74
; Db 155 LSVVGSTSV 163
;
; RESULT 8
; US-08-961-083-206
; Sequence 206, Application US/08961083
; Patent No. 6159469
; GENERAL INFORMATION:
; APPLICANT: Choi et. al.
; TITLE OF INVENTION: Streptococcus pneumoniae Antigen and Vaccines
; NUMBER OF SEQUENCES: 452
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/961,083
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Brookes, A. Anders
; REGISTRATION NUMBER: 36,373
; REFERENCE/DOCKET NUMBER: PB340P2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 309-8504
; TELEFAX: (301) 309-8512
; INFORMATION FOR SEQ ID NO: 206:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 270 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-961-083-206
;
;
; Query Match 4.7%; Score 9; DB 2; Length 270;
; Best Local Similarity 100.0%; Pred. No. 1.1;
; Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
;
; QY 66 LSVVGSTSV 74
; Db 163 LSVVGSTSV 171
;
; RESULT 9
; US-09-536-784-206
; Sequence 206, Application US/09536784
; Patent No. 6573082
; GENERAL INFORMATION:
; APPLICANT: Choi et. al.
; TITLE OF INVENTION: Streptococcus pneumoniae Antigen and Vaccines
; NUMBER OF SEQUENCES: 452
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
```

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; FILING DATE: OCT-30-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Michelle S. Marks
; REGISTRATION NUMBER: 41,971
; REFERENCE/DOCKET NUMBER: PB340P3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 309-8504
; TELEFAX: (301) 309-8512
; INFORMATION FOR SEQ ID NO: 98:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 262 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-09-765-271-98
;
;
; Query Match 4.7%; Score 9; DB 2; Length 262;
; Best Local Similarity 100.0%; Pred. No. 1.1;
; Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
;
; QY 66 LSVVGSTSV 74
; Db 155 LSVVGSTSV 163
;
; RESULT 7
; US-09-765-272A-98
; Sequence 98, Application US/09765272A
; Patent No. 6929930
; GENERAL INFORMATION:
; APPLICANT: Choi et. al.
; TITLE OF INVENTION: Streptococcus pneumoniae Antigen and Vaccines
; NUMBER OF SEQUENCES: 452
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: Dell Latitude C610
; OPERATING SYSTEM: Windows 2000
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/765,272A
; FILING DATE: 22-Jan-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/961,083
; FILING DATE: OCT-30-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Lin J. Hymel
; REGISTRATION/DOCKET NUMBER: PB340P2C2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 610-5790
; TELEFAX: (301) 309-8439
; INFORMATION FOR SEQ ID NO: 98:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 262 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-09-765-272A-98
;
;
; Query Match 4.7%; Score 9; DB 2; Length 262;
; Best Local Similarity 100.0%; Pred. No. 1.1;
; Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
;
; QY 66 LSVVGSTSV 74
; Db 155 LSVVGSTSV 163
;
; RESULT 8
; US-08-961-083-206
; Sequence 206, Application US/08961083
; Patent No. 6159469
; GENERAL INFORMATION:
; APPLICANT: Choi et. al.
; TITLE OF INVENTION: Streptococcus pneumoniae Antigen and Vaccines
; NUMBER OF SEQUENCES: 452
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
```

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;
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: HP Vectra 486/33
; Best Local Similarity 100.0%; Pred. No. 1.1; Length 270;
; Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/536,784
; FILING DATE: 30-Oct-1997
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/961,083
; FILING DATE: OCT-30-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Michelle S. Marks
; REGISTRATION NUMBER: 41,971
; REFERENCE/DOCKET NUMBER: PB340P3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 309-8504
; TELEFAX: (301) 309-8512
; SEQUENCE CHARACTERISTICS:
; LENGTH: 270 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 206:
US-09-536-784-206

Query Match 4.7%; Score 9; DB 2; Length 270;
Best Local Similarity 100.0%; Pred. No. 1.1;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 66 LSVVGSTSV 74
Db 163 LSVVGSTSV 171

;
; RESULT 10
; US-09-765-271-206
; Sequence 206, Application US/09765271
; Patent No. 6887663
; GENERAL INFORMATION:
; APPLICANT: Choi et. al.
; TITLE OF INVENTION: Streptococcus pneumoniae Antigens and Vaccines
; NUMBER OF SEQUENCES: 452
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/765,271
; FILING DATE: 22-Jan-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/536,784
; FILING DATE: <Unknown>
; APPLICATION NUMBER: 08/961,083
; FILING DATE: OCT-30-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Michelle S. Marks
; REGISTRATION NUMBER: 41,971
; REFERENCE/DOCKET NUMBER: PB340P3
```

```
;
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 309-8504
; TELEFAX: (301) 309-8512
; INFORMATION FOR SEQ ID NO: 206:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 270 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 206:
US-09-765-271-206

Query Match 4.7%; Score 9; DB 2; Length 270;
Best Local Similarity 100.0%; Pred. No. 1.1;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 66 LSVVGSTSV 74
Db 163 LSVVGSTSV 171

;
; RESULT 11
; US-09-765-272A-206
; Sequence 206, Application US/09765272A
; Patent No. 6929930
; GENERAL INFORMATION:
; APPLICANT: Choi et. al.
; TITLE OF INVENTION: Streptococcus pneumoniae Antigens and Vaccines
; NUMBER OF SEQUENCES: 454
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: Dell Latitude C610
; OPERATING SYSTEM: Windows 2000
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/765,272A
; FILING DATE: 22-Jan-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/961,083
; FILING DATE: OCT-30-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Lin J. Hymel
; REGISTRATION NUMBER: 45,414
; REFERENCE/DOCKET NUMBER: PB340P2C2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 610-5790
; TELEFAX: (301) 309-8439
; INFORMATION FOR SEQ ID NO: 206:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 270 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 206:
US-09-765-272A-206

Query Match 4.7%; Score 9; DB 2; Length 270;
Best Local Similarity 100.0%; Pred. No. 1.1;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 66 LSVVGSTSV 74
Db 163 LSVVGSTSV 171
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Db      163 LSVVGSTSV 171

RESULT 12
US-09-583-110-4201
; Sequence 4201, Application US/09583110
; Patent No. 6699703
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al.
; TITLE OF INVENTION: Nucleic Acid and Amino Acid Sequences Relating to Streptococcus
; TITLE OF INVENTION: Pneumoniae for Diagnostics and Therapeutics
; FILE REFERENCE: PATH00-07A
; CURRENT APPLICATION NUMBER: US/09/583,110
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/107,433
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: US 60/085,131
; PRIOR FILING DATE: 1998-05-12
; PRIOR APPLICATION NUMBER: US 60/051,553
; PRIOR FILING DATE: 1997-07-02
; NUMBER OF SEQ ID NOS: 5322
; SEQ ID NO 4201
; LENGTH: 291
; TYPE: PRT
; ORGANISM: Streptococcus pneumoniae
US-09-583-110-4201

Query Match      4.7%; Score 9; DB 2; Length 291;
Best Local Similarity 100.0%; Pred. No. 1.2;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      66 LSVVGSTSV 74
Db      184 LSVVGSTSV 192

RESULT 13
US-09-107-433-3318
; Sequence 3318, Application US/09107433
; Patent No. 6800744
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID
; TITLE OF INVENTION: SEQUENCES RELATING TO STREPTOCOCCUS PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6952
; LENGTH: 390
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-6952

Query Match      4.1%; Score 8; DB 2; Length 390;
Best Local Similarity 100.0%; Pred. No. 15;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      86 LEKEVAGL 93
Db      277 LEKEVAGL 284

RESULT 15
US-09-252-991A-20496
; Sequence 20496, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
```


; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 20496
; LENGTH: 444
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
; FEATURE:
; NAME/KEY: UNSURE
; LOCATION: (31)
; OTHER INFORMATION: Identity of amino acid at the above locations are unknown.
US-09-252-991A-20496

Query Match 4.1%; Score 8; DB 2; Length 444;
Best Local Similarity 100.0%; Pred. No. 16;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 11 IALGLLLA 18
| | | | |
Db 162 IALGLLLA 169

RESULT 16

US-09-252-991A-23790
; Sequence 23790, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 23790
; LENGTH: 563
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-23790

Query Match 4.1%; Score 8; DB 2; Length 563;
Best Local Similarity 100.0%; Pred. No. 20;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 14 GLLLATPA 21
| | | | |
Db 60 GLLLATPA 67

RESULT 17

US-09-320-878-12
; Sequence 12, Application US/09320878A
; Patent No. 6117659
; GENERAL INFORMATION:
; APPLICANT: ASHLEY, Gary
; APPLICANT: BETLACH, Melanie C.
; APPLICANT: BETLACH, Mary C.
; APPLICANT: MCDANIEL, Robert
; TITLE OF INVENTION: RECOMBINANT NARBONOLIDE POLYKETIDE SYNTHASE
; FILE REFERENCE: 300622002120
; CURRENT APPLICATION NUMBER: US/09/320,878A
; CURRENT FILING DATE: 1999-05-27
; EARLIER APPLICATION NUMBER: CIP OF 09/141,908
; EARLIER FILING DATE: 1998-08-28
; EARLIER APPLICATION NUMBER: CIP OF 09/073,538
; EARLIER FILING DATE: 1998-05-06
; EARLIER APPLICATION NUMBER: CIP OF 08/846,247
; EARLIER FILING DATE: 1997-04-30
; EARLIER APPLICATION NUMBER: 60/119,139
; EARLIER FILING DATE: 1999-02-08

; EARLIER APPLICATION NUMBER: 60/100,880
; EARLIER FILING DATE: 1998-09-22
; EARLIER APPLICATION NUMBER: 60/087,080
; EARLIER FILING DATE: 1998-05-28
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 12
; LENGTH: 769
; TYPE: PRT
; ORGANISM: Streptomyces venezuelae
US-09-320-878-12

Query Match 4.1%; Score 8; DB 2; Length 769;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 14 GLLLATPA 21
| | | | |
Db 285 GLLLATPA 292

RESULT 18

US-09-141-908-10
; Sequence 10, Application US/09141908
; Patent No. 6503741
; GENERAL INFORMATION:
; APPLICANT: ASHLEY, Gary
; APPLICANT: BETLACH, Melanie C.
; APPLICANT: BETLACH, Mary
; APPLICANT: MCDANIEL, Robert
; APPLICANT: TANG, Li
; TITLE OF INVENTION: Combinatorial Polyketide Libraries Produced Using a
; FILE REFERENCE: 300622002100
; CURRENT APPLICATION NUMBER: US/09/141,908
; CURRENT FILING DATE: 1998-08-28
; EARLIER APPLICATION NUMBER: CIP OF 09/073,538
; EARLIER FILING DATE: 1998-05-06
; EARLIER APPLICATION NUMBER: CIP OF 08/846,247
; EARLIER FILING DATE: 1997-04-30
; EARLIER APPLICATION NUMBER: PROV. 60/076,919
; EARLIER FILING DATE: 1998-03-05
; EARLIER APPLICATION NUMBER: PROV. 60/087,080
; EARLIER FILING DATE: 1998-05-28
; NUMBER OF SEQ ID NOS: 31
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10
; LENGTH: 769
; TYPE: PRT
; ORGANISM: Streptomyces venezuelae
US-09-141-908-10

Query Match 4.1%; Score 8; DB 2; Length 769;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 14 GLLLATPA 21
| | | | |
Db 285 GLLLATPA 292

RESULT 19

US-09-657-440-12
; Sequence 12, Application US/09657440
; Patent No. 6509455
; GENERAL INFORMATION:
; APPLICANT: ASHLEY, Gary
; APPLICANT: BETLACH, Melanie C.
; APPLICANT: BETLACH, Mary C.
; APPLICANT: MCDANIEL, Robert
; APPLICANT: TANG, Li
; TITLE OF INVENTION: RECOMBINANT NARBONOLIDE POLYKETIDE SYNTHASE
; FILE REFERENCE: 300622002120

; CURRENT APPLICATION NUMBER: US/09/657,440
; CURRENT FILING DATE: 2000-09-07
; PRIOR APPLICATION NUMBER: 09/320,878
; PRIOR FILING DATE: 1999-05-27
; PRIOR APPLICATION NUMBER: CIP OF 09/141,908
; PRIOR FILING DATE: 1998-08-28
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 12
; LENGTH: 769
; TYPE: PRT
; ORGANISM: Streptomyces venezuelae
US-09-657-440-12

Query Match 4.1%; Score 8; DB 2; Length 769;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 14 GLLLATPA 21
|||||
Db 285 GLLLATPA 292

RESULT 20
US-09-793-708-12
; Sequence 12, Application US/09793708
; Patent No. 6902913
; GENERAL INFORMATION:
; APPLICANT: ASHLEY, Gary
; APPLICANT: BETLACH, Melanie C.
; APPLICANT: BETLACH, Mary C.
; APPLICANT: MCDANIEL, Robert
; APPLICANT: TANG, Li
; TITLE OF INVENTION: RECOMBINANT NARBONOLIDE POLYPEPTIDE SYNTHASE
; FILE REFERENCE: 300622002121
; CURRENT APPLICATION NUMBER: US/09/793,708
; CURRENT FILING DATE: 2001-02-22
; PRIOR APPLICATION NUMBER: US 09/657,440
; PRIOR FILING DATE: 2000-09-07
; PRIOR APPLICATION NUMBER: US 09/320,878
; PRIOR FILING DATE: 1999-05-27
; PRIOR APPLICATION NUMBER: US 09/141,908
; PRIOR FILING DATE: 1998-08-28
; PRIOR APPLICATION NUMBER: US 09/073,538
; PRIOR FILING DATE: 1998-05-06
; PRIOR APPLICATION NUMBER: US 08/846,247
; PRIOR FILING DATE: 1997-04-30
; PRIOR APPLICATION NUMBER: US 60/134,990
; PRIOR FILING DATE: 1999-05-20
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 12
; LENGTH: 769
; TYPE: PRT
; ORGANISM: Streptomyces venezuelae
US-09-793-708-12

Query Match 4.1%; Score 8; DB 2; Length 769;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 14 GLLLATPA 21
|||||
Db 285 GLLLATPA 292

RESULT 21
US-09-105-537-24
; Sequence 24, Application US/09105537A
; Patent No. 6265202
; GENERAL INFORMATION:
; APPLICANT: Sherman, D.H.
; APPLICANT: Liu, H.

; APPLICANT: Xue, Y.
; APPLICANT: Zhao, L.
; TITLE OF INVENTION: DNA encoding methymycin and pikromycin
; FILE REFERENCE: 600.438US1
; CURRENT APPLICATION NUMBER: US/09/105,537A
; CURRENT FILING DATE: 1998-06-26
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 24
; LENGTH: 809
; TYPE: PRT
; ORGANISM: Streptomyces venezuelae
US-09-105-537-24

Query Match 4.1%; Score 8; DB 2; Length 809;
Best Local Similarity 100.0%; Pred. No. 28;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 14 GLLLATPA 21
|||||
Db 344 GLLLATPA 351

RESULT 22
US-09-105-537-4
; Sequence 4, Application US/09105537A
; Patent No. 6265202
; GENERAL INFORMATION:
; APPLICANT: Sherman, D.H.
; APPLICANT: Liu, H.
; APPLICANT: Xue, Y.
; APPLICANT: Zhao, L.
; TITLE OF INVENTION: DNA encoding methymycin and pikromycin
; FILE REFERENCE: 600.438US1
; CURRENT APPLICATION NUMBER: US/09/105,537A
; CURRENT FILING DATE: 1998-06-26
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 4
; LENGTH: 3782
; TYPE: PRT
; ORGANISM: Streptomyces venezuelae
US-09-105-537-4

Query Match 4.1%; Score 8; DB 2; Length 3782;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 14 GLLLATPA 21
|||||
Db 1409 GLLLATPA 1416

RESULT 23
US-09-270-767-32129
; Sequence 32129, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 32129
; LENGTH: 85
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-32129

Query Match 3.8%; Score 7; DB 2; Length 85;
Best Local Similarity 100.0%; Pred. No. 36;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 157 LELPSWL 163
| | | | |
Db 53 LELPSWL 59

RESULT 24

US-09-270-767-47346
; Sequence 47346, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 47346
; LENGTH: 85
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-47346

Query Match 3.6%; Score 7; DB 2; Length 85;
Best Local Similarity 100.0%; Pred. No. 36;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 157 LELPSWL 163
| | | | |
Db 53 LELPSWL 59

RESULT 25

US-08-936-165A-401
; Sequence 401, Application US/08936165A
; Patent No. 6348582
; GENERAL INFORMATION:
; APPLICANT: Black, Michael
; APPLICANT: Burnham, Martin
; APPLICANT: Hodgson, John
; APPLICANT: Knowles, David
; APPLICANT: Lonetto, Michael
; APPLICANT: Nicholas, Richard
; APPLICANT: Pratt, Julie
; APPLICANT: Reichard, Richard
; APPLICANT: Rosenberg, Martin
; APPLICANT: Ward, Judith
; TITLE OF INVENTION: No. 6348582el Prokaryotic Polynucleotides,
; TITLE OF INVENTION: Polypeptides and Their Uses
; NUMBER OF SEQUENCES: 534
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Smithkline Beecham Corporation
; STREET: 709 Swedeland Road
; CITY: King of Prussia
; STATE: PA
; COUNTRY: USA
; ZIP: 19406-0939
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/936.165A
; FILING DATE: 24-SEP-1997
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; PRIOR APPLICATION NUMBER: 60/027,032
; FILING DATE: 24-SEP-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Gimmi, Edward R

; REGISTRATION NUMBER: 38,891
; REFERENCE/DOCKET NUMBER: P50549
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-270-4478
; TELEFAX: 610-270-5090
; TELEX:
; INFORMATION FOR SEQ ID NO: 401:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 96 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Protein
US-08-936-165A-401

Query Match 3.6%; Score 7; DB 2; Length 96;
Best Local Similarity 100.0%; Pred. No. 40;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 85 VLEKEVA 91
| | | | |
Db 77 VLEKEVA 83

RESULT 26

US-09-270-767-33345
; Sequence 33345, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 33345
; LENGTH: 103
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-33345

Query Match 3.6%; Score 7; DB 2; Length 103;
Best Local Similarity 100.0%; Pred. No. 43;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 47 VIRSLTL 53
| | | | |
Db 24 VIRSLTL 30

RESULT 27

US-09-270-767-48562
; Sequence 48562, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 48562
; LENGTH: 103
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-48562

Query Match 3.6%; Score 7; DB 2; Length 103;
Best Local Similarity 100.0%; Pred. No. 43;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 47 VIRSLTL 53
Db 24 VIRSLTL 30

US-09-746-801A-47
; Sequence 47, Application US/09746801A
; Patent No. 6689940
; GENERAL INFORMATION:
; APPLICANT: Wagner, et al.
; TITLE OF INVENTION: GENES REGULATING CIRCADIAN CLOCK FUNCTION AND PHOTOPERIODISM
; FILE REFERENCE: 1505-54357
; CURRENT APPLICATION NUMBER: US/09/746,801A
; CURRENT FILING DATE: 2000-12-20
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 47
; LENGTH: 115
; TYPE: PRT
; ORGANISM: Xanthium
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (4)..(4)
; OTHER INFORMATION: Xaa = uncertain amino acid residue
US-09-746-801A-47

Query Match 3.6%; Score 7; DB 2; Length 115;
Best Local Similarity 100.0%; Pred. No. 47;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 175 SSSGKRL 181
Db 29 SSSGKRL 35

US-10-719-885-47
; Sequence 47, Application US/10719885
; Patent No. 6903192
; GENERAL INFORMATION:
; APPLICANT: Wagner, et al.
; TITLE OF INVENTION: GENES REGULATING CIRCADIAN CLOCK FUNCTION AND PHOTOPERIODISM
; FILE REFERENCE: 1505-54357
; CURRENT APPLICATION NUMBER: US/10/719,885
; CURRENT FILING DATE: 2003-11-21
; PRIOR APPLICATION NUMBER: US/09/746,801A
; PRIOR FILING DATE: 2000-12-20
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 47
; LENGTH: 115
; TYPE: PRT
; ORGANISM: Xanthium
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (4)..(4)
; OTHER INFORMATION: Xaa = uncertain amino acid residue
US-10-719-885-47

Query Match 3.6%; Score 7; DB 2; Length 115;
Best Local Similarity 100.0%; Pred. No. 47;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 175 SSSGKRL 181
Db 29 SSSGKRL 35

US-10-719-885-47
; Sequence 47, Application US/10719885
; Patent No. 6903192
; GENERAL INFORMATION:
; APPLICANT: Wagner, et al.
; TITLE OF INVENTION: GENES REGULATING CIRCADIAN CLOCK FUNCTION AND PHOTOPERIODISM
; FILE REFERENCE: 1505-54357
; CURRENT APPLICATION NUMBER: US/10/719,885
; CURRENT FILING DATE: 2003-11-21
; PRIOR APPLICATION NUMBER: US/09/746,801A
; PRIOR FILING DATE: 2000-12-20
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 47
; LENGTH: 115
; TYPE: PRT
; ORGANISM: Xanthium
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (4)..(4)
; OTHER INFORMATION: Xaa = uncertain amino acid residue
US-10-719-885-47

Query Match 3.6%; Score 7; DB 2; Length 115;
Best Local Similarity 100.0%; Pred. No. 47;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 13 LGLLLAT 19
Db 4 LGLLLAT 10

US-10-442-174A-1
; GENERAL INFORMATION:
; APPLICANT: Societe des Produits Nestle
; APPLICANT: Kochhar, Sunil
; APPLICANT: Hansen, Carl Eric
; APPLICANT: Juillierat, Marcel Alexandre
; APPLICANT: James, McCarthy
; TITLE OF INVENTION: COCOA ALBUMIN AND USE IN COCOA AND CHOCOLATE PRODUCTION
; FILE REFERENCE: 88265-6838
; CURRENT APPLICATION NUMBER: US/10/442,174A
; CURRENT FILING DATE: 2003-05-21
; PRIOR APPLICATION NUMBER: PCT/EP01/13536
; PRIOR FILING DATE: 2001-11-21
; PRIOR APPLICATION NUMBER: EP00125523.1
; PRIOR FILING DATE: 2000-11-21
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 1
; LENGTH: 150
; TYPE: PRT
; ORGANISM: Theobroma cacao
US-10-442-174A-1

Query Match 3.6%; Score 7; DB 2; Length 150;
Best Local Similarity 100.0%; Pred. No. 60;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 13 LGLLLAT 19
Db 4 LGLLLAT 10

US-09-199-637A-213
; Sequence 213, Application US/09199637A
; Patent No. 6355411
; GENERAL INFORMATION:
; APPLICANT: Ausubel, Frederick
; APPLICANT: Goodman, Howard M.
; APPLICANT: Rahme, Laurence G.
; APPLICANT: Mahajan-Miklos, Shalina
; APPLICANT: Tan, Man-Wah
; APPLICANT: Cao, Hui
; APPLICANT: Drenkard, Eliana
; APPLICANT: Tsongalis, John
; TITLE OF INVENTION: VIRULENCES-ASSOCIATED NUCLEIC ACID
; FILE REFERENCE: 00786/361002
; CURRENT APPLICATION NUMBER: US/09/199,637A
; CURRENT FILING DATE: 1998-11-25
; PRIOR APPLICATION NUMBER: 60/066,517
; PRIOR FILING DATE: 1997-11-25
; NUMBER OF SEQ ID NOS: 437
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 213
; LENGTH: 153
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-199-637A-213

Query Match 3.6%; Score 7; DB 2; Length 153;
Best Local Similarity 100.0%; Pred. No. 61;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 13 LGLLLAT 19
Db 70 LGLLLAT 76

US-09-902-540-16420
; Sequence 16420, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
```

```
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wisegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 16420
; LENGTH: 168
; TYPE: PRT
; ORGANISM: Myxococcus xanthus
; US-09-902-540-16420

Query Match          3.6%; Score 7; DB 2; Length 168;
Best Local Similarity 100.0%; Pred. No. 66;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 11 IALGILL 17
Db 121 IALGILL 127

RESULT 33
US-09-205-258-1011
; Sequence 1011, Application US/09205258
; Patent No. 6525174
; GENERAL INFORMATION:
; APPLICANT: Young et al.
; TITLE OF INVENTION: 207 Human Secreted Proteins
; FILE REFERENCE: P2007P1
; CURRENT APPLICATION NUMBER: US/09/205,258
; CURRENT FILING DATE: 1998-12-04
; EARLIER APPLICATION NUMBER: PCT/US98/11422
; EARLIER FILING DATE: 1998-06-04
; EARLIER APPLICATION NUMBER: 60/048,885
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,375
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,881
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,880
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,896
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,020
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,876
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,895
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,884
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,894
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,971
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,964
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,882
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,899
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,893
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,900
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,901
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,892

; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wisegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 16420
; LENGTH: 168
; TYPE: PRT
; ORGANISM: Myxococcus xanthus
; US-09-902-540-16420

Query Match          3.6%; Score 7; DB 2; Length 170;
Best Local Similarity 100.0%; Pred. No. 67;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 125 CPEPLRT 131
Db 104 CPEPLRT 110

RESULT 34
US-10-004-860-1011
; Sequence 1011, Application US/10004860
; Patent No. 6914047
; GENERAL INFORMATION:
; APPLICANT: Young et al.
; TITLE OF INVENTION: 207 Human Secreted Proteins
; FILE REFERENCE: P2007P1
; CURRENT APPLICATION NUMBER: US/09/205,258
; CURRENT FILING DATE: 1998-12-04
; EARLIER APPLICATION NUMBER: PCT/US98/11422
; EARLIER FILING DATE: 1998-06-04
; EARLIER APPLICATION NUMBER: 60/048,885
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,375
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,881
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,880
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,896
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,020
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,876
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,895
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,884
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,894
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,971
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,964
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,882
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,899
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,893
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,900
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,901
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,892
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; APPLICANT: Young et al.
; TITLE OF INVENTION: 207 Human Secreted Proteins
; FILE REFERENCE: P2007P1
; CURRENT APPLICATION NUMBER: US/10/004,860
; CURRENT FILING DATE: 2001-12-07
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 1227
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1011
; LENGTH: 170
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (65)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (118)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; US-10-004-860-1011

Query Match          3.6%; Score 7; DB 2; Length 170;
Best Local Similarity 100.0%; Pred. No. 67;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 125 CPEPLRT 131
Db 104 CPEPLRT 110
|||||

RESULT 35
US-09-540-13301
; Sequence 13301, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 13301
; LENGTH: 213
; TYPE: PRT
; ORGANISM: Myxococcus xanthus
; US-09-540-13301

Query Match          3.6%; Score 7; DB 2; Length 213;
Best Local Similarity 100.0%; Pred. No. 82;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 66 LSVVGST 72
Db 151 LSVVGST 157
|||||

RESULT 36
US-09-489-039A-12889
; Sequence 12889, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; FILE REFERENCE: 2709, 2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
```

```
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 12889
; LENGTH: 267
; TYPE: PRT
; ORGANISM: Klebsiella pneumoniae
; US-09-489-039A-12889

Query Match          3.6%; Score 7; DB 2; Length 267;
Best Local Similarity 100.0%; Pred. No. 1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 ALGLLLA 18
Db 52 ALGLLLA 58
|||||

RESULT 37
US-09-543-681A-6475
; Sequence 6475, Application US/09543681A
; Patent No. 6605709
; GENERAL INFORMATION:
; APPLICANT: GARY BRETON
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABILIS
; FILE REFERENCE: 2709, 1002-001
; CURRENT APPLICATION NUMBER: US/09/543,681A
; CURRENT FILING DATE: 2000-04-05
; PRIOR APPLICATION NUMBER: US 60/128,706
; PRIOR FILING DATE: 1999-04-09
; NUMBER OF SEQ ID NOS: 8344
; SEQ ID NO 6475
; LENGTH: 269
; TYPE: PRT
; ORGANISM: Proteus mirabilis
; US-09-543-681A-6475

Query Match          3.6%; Score 7; DB 2; Length 269;
Best Local Similarity 100.0%; Pred. No. 1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 14 GLLLATP 20
Db 95 GLLLATP 101
|||||

RESULT 38
US-08-149-809-24
; Sequence 24, Application US/08149809
; Patent No. 5449669
; GENERAL INFORMATION:
; APPLICANT: METCALFE, Dean D.
; APPLICANT: MARTIN, Brian M.
; APPLICANT: RAO, Fillarissetti V.S.
; TITLE OF INVENTION: ICE-BINDING EPITOPES OF A MAJOR
; TITLE OF INVENTION: HEAT-STABLE CRUSTACEAN ALLERGEN DERIVED FROM SHRIMP
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 3000 K Street, N.W., Suite 500
; CITY: Washington, D.C.
; COUNTRY: USA
; ZIP: 20007-5109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/149,809
; FILING DATE: 10-NOV-1993
; CLASSIFICATION: 530
```

ATTORNEY/AGENT INFORMATION:
NAME: BENT, Stephen A.
REGISTRATION NUMBER: 29,768
REFERENCE/DOCKET NUMBER: 40399/183/NIHD
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202)672-5300
TELEFAX: (202)672-5399
TELEX: 904136
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 285 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-149-809-24

Query Match 3.6%; Score 7; DB 1; Length 285;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 83 DLVLEKE 89
|||
Db 259 DLVLEKE 265

RESULT 39
US-09-540-236-2879
Sequence 2879, Application US/09540236
Patent No. 6673910
GENERAL INFORMATION:
APPLICANT: Gary L. Breton et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO MORAXELLA CATAR
TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 2709.2005-001
CURRENT APPLICATION NUMBER: US/09/540.236
CURRENT FILING DATE: 2000-04-04
NUMBER OF SEQ ID NOS: 3840
SEQ ID NO 2879
LENGTH: 287
TYPE: PRT
ORGANISM: M.catarrhalis
US-09-540-236-2879

Query Match 3.6%; Score 7; DB 2; Length 287;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 26 KKPSQLS 32
|||
Db 137 KKPSQLS 143

RESULT 40
US-09-902-540-11985
Sequence 11985, Application US/09902540
Patent No. 6833447
GENERAL INFORMATION:
APPLICANT: Goldman, Barry S.
APPLICANT: Hinkle, Gregory J.
APPLICANT: Slater, Steven C.
APPLICANT: Wisgard, Roger C.
TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
FILE REFERENCE: 38-10(115849)B
CURRENT APPLICATION NUMBER: US/09/902.540
CURRENT FILING DATE: 2001-07-10
PRIOR APPLICATION NUMBER: 60/217,883
PRIOR FILING DATE: 2000-07-10
NUMBER OF SEQ ID NOS: 16825
SEQ ID NO 11985
LENGTH: 301
TYPE: PRT
ORGANISM: Myxococcus xanthus
US-09-902-540-11985

Query Match 3.6%; Score 7; DB 2; Length 301;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 80 LKVDLVL 86
|||
Db 110 LKVDLVL 116

RESULT 41
US-09-252-991A-31850
Sequence 31850, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252.991A
CURRENT FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 31850
LENGTH: 315
TYPE: PRT
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-31850

Query Match 3.6%; Score 7; DB 2; Length 315;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 13 LGLLLAT 19
|||
Db 31 LGLLLAT 37

RESULT 42
US-09-489-039A-7803
Sequence 7803, Application US/09489039A
Patent No. 6610836
GENERAL INFORMATION:
APPLICANT: Gary Breton et. al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
FILE REFERENCE: 2709.2004001
CURRENT APPLICATION NUMBER: US/09/489.039A
CURRENT FILING DATE: 2000-01-27
PRIOR APPLICATION NUMBER: US 60/117,747
PRIOR FILING DATE: 1999-01-29
NUMBER OF SEQ ID NOS: 14342
SEQ ID NO 7803
LENGTH: 324
TYPE: PRT
ORGANISM: Klebsiella pneumoniae
US-09-489-039A-7803

Query Match 3.6%; Score 7; DB 2; Length 324;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 11 IALGLLL 17
|||
Db 67 IALGLLL 73

RESULT 43
US-08-828-242-4
Sequence 4, Application US/08828242
Patent No. 5871970

```
; GENERAL INFORMATION:
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Goli, Surya K.
; TITLE OF INVENTION: NOVEL CALCIUM-BINDING
; TITLE OF INVENTION: PROTEIN
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/828,242
; FILING DATE: Filed Herewith
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0261 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 325 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GenBank
; CLONE: 220582
; US-08-828-242-4
;
; Query Match 3.6%; Score 7; DB 1; Length 325;
; Best Local Similarity 100.0%; Pred. No. 1.2e+02;
; Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
;
QY 12 ALGLLLA 18
Db 10 ALGLLLA 16
|||||
;
RESULT 44
US-09-206-499-4
; Sequence 4, Application US/09206499
; Patent No. 6194385
; GENERAL INFORMATION:
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Goli, Surya K.
; TITLE OF INVENTION: NOVEL CALCIUM-BINDING
; TITLE OF INVENTION: PROTEIN
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/828,242
; FILING DATE: Filed Herewith
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0261 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 325 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GenBank
; CLONE: 220582
; US-08-828-242-3
;
; Query Match 3.6%; Score 7; DB 2; Length 325;
; Best Local Similarity 100.0%; Pred. No. 1.2e+02;
; Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
;
QY 12 ALGLLLA 18
Db 10 ALGLLLA 16
|||||
;
RESULT 45
US-08-828-242-3
; Sequence 3, Application US/08828242
; Patent No. 5871970
; GENERAL INFORMATION:
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Goli, Surya K.
; TITLE OF INVENTION: NOVEL CALCIUM-BINDING
; TITLE OF INVENTION: PROTEIN
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/828,242
; FILING DATE: Filed Herewith
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0261 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
```


;
; LENGTH: 331 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GenBank
; CLONE: 1262329
US-08-828-242-3

Query Match 3.6%; Score 7; DB 1; Length 331;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGLLA 18
Db 13 ALGLLA 19

RESULT 46
US-08-910-927B-5
; Sequence 5, Application US/08910927B
; Patent No. 5976801
; GENERAL INFORMATION:
; APPLICANT: Bandman, Olga
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Lal, Preeti
; APPLICANT: Corley, Neil C.
; APPLICANT: Shah, Purvi
; TITLE OF INVENTION: HUMAN RETICULOCALBIN ISOFORMS
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; FILING DATE: Hereewith
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0358 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-845-4166
; TELEX:

; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 331 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GenBank
; CLONE: 1262329
US-08-910-927B-5

Query Match 3.6%; Score 7; DB 1; Length 331;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGLLA 18

Db 13 ALGLLA 19

RESULT 47
US-09-206-499-3
; Sequence 3, Application US/09206499
; Patent No. 6194385
; GENERAL INFORMATION:
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Goli, Surya K.
; TITLE OF INVENTION: NOVEL CALCIUM-BINDING
; TITLE OF INVENTION: PROTEIN
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/206,499
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/828,242
; FILING DATE: 03/31/1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0261 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 331 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GenBank
; CLONE: 1262329
US-09-206-499-3

Query Match 3.6%; Score 7; DB 2; Length 331;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGLLA 18
Db 13 ALGLLA 19

RESULT 48
US-09-270-270-5
; Sequence 5, Application US/09270270
; Patent No. 6235477
; GENERAL INFORMATION:
; APPLICANT: Bandman, Olga
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Lal, Preeti
; APPLICANT: Corley, Neil C.
; APPLICANT: Shah, Purvi
; TITLE OF INVENTION: HUMAN RETICULOCALBIN ISOFORMS
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:

ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
FILING DATE: US/09/270,270
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/910,927
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0358 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-855-0555
TELEFAX: 650-845-4166
TELEX:
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 331 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: GenBank
CLONE: 1262329
US-09-270-270-5

Query Match 3.6%; Score 7; DB 2; Length 331;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 ALGLLLA 18
DB 13 ALGLLLA 19

RESULT 49
US-09-961-403-11
Sequence 11, Application US/09961403
Patent No. 6780594
GENERAL INFORMATION:
APPLICANT: HE-STUMPP, HOLGER
APPLICANT: HAENDLER, BERNARD
APPLICANT: KRAETZSCHMAR, JOERN
APPLICANT: KREFT, BERTHOLT
APPLICANT: WINTERHAGER, ELKE
APPLICANT: REGIDOR, PEDRO
APPLICANT: SCOTTI, SIMONE
TITLE OF INVENTION: METHOD FOR IN VITRO DIAGNOSIS OF ENDOMETRIOSIS
FILE REFERENCE: SCH-1789
CURRENT APPLICATION NUMBER: US/09/961,403
CURRENT FILING DATE: 2001-09-25
NUMBER OF SEQ ID NOS: 15
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 11
LENGTH: 331
TYPE: PRT
ORGANISM: Homo sapiens
US-09-961-403-11

Query Match 3.6%; Score 7; DB 2; Length 331;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 ALGLLLA 18
DB 13 ALGLLLA 19

RESULT 50
US-09-605-703B-180
Sequence 180, Application US/09605703B
Patent No. 6962989
GENERAL INFORMATION:
APPLICANT: Pompejus, Markus
APPLICANT: Kroger, Burkhard
APPLICANT: Schroder, Hartwig
APPLICANT: Zelder, Oskar
APPLICANT: Haberhauer, Gregor
TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING NOVEL
TITLE OF INVENTION: PROTEINS
FILE REFERENCE: BGI-129CP
CURRENT APPLICATION NUMBER: US/09/605,703B
CURRENT FILING DATE: 2000-06-27
PRIOR APPLICATION NUMBER: 60/142,764
PRIOR FILING DATE: 1999-07-08
PRIOR APPLICATION NUMBER: 60/152,318
PRIOR FILING DATE: 1999-09-03
NUMBER OF SEQ ID NOS: 2934
SEQ ID NO 180
LENGTH: 344
TYPE: PRT
ORGANISM: Corynebacterium glutamicum
US-09-605-703B-180

Query Match 3.6%; Score 7; DB 2; Length 344;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 160 PSWLTTG 166
DB 31 PSWLTTG 37

RESULT 51
US-09-949-016-9513
Sequence 9513, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 9513
LENGTH: 348
TYPE: PRT
ORGANISM: Human
US-09-949-016-9513

Query Match 3.6%; Score 7; DB 2; Length 348;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 ALGLLLA 18
DB 30 ALGLLLA 36

RESULT 52
US-09-580-929-5
; Sequence 5, Application US/09580929
; Patent No. 6582910
; GENERAL INFORMATION:
; APPLICANT: Lam, Joseph S.
; APPLICANT: Creuzenet, Carole
; TITLE OF INVENTION: Wbpp and Method for Assay of Wbpp
; FILE REFERENCE: 6580-189
; CURRENT APPLICATION NUMBER: US/09/580,929
; CURRENT FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/136,564
; PRIOR FILING DATE: 1999-05-28
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5
; LENGTH: 355
; TYPE: PRT
; ORGANISM: E. Coli
US-09-580-929-5

Query Match 3.6%; Score 7; DB 2; Length 355;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 129 LRTYGLP 135
| | | | |
Db 175 LRTYGLP 181

RESULT 53
US-09-205-258-1008
; Sequence 1008, Application US/09205258
; Patent No. 6525174
; GENERAL INFORMATION:
; APPLICANT: Young et al.
; TITLE OF INVENTION: 207 Human Secreted Proteins
; FILE REFERENCE: PZ007P1
; CURRENT APPLICATION NUMBER: US/09/205,258
; CURRENT FILING DATE: 1998-12-04
; EARLIER APPLICATION NUMBER: PCT/US98/11422
; EARLIER FILING DATE: 1998-06-04
; EARLIER APPLICATION NUMBER: 60/048,885
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,375
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,881
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,880
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,896
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,020
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,876
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,895
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,884
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,894
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,971
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,964
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,882
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,899
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,893

; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,900
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,901
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,892
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,915
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,019
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,970
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,972
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,916
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,373
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,875
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,374
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,917
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,949
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,974
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,883
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,897
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,898
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,962
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,963
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,877
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,878
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/070,923
; EARLIER FILING DATE: 1997-12-18
; EARLIER APPLICATION NUMBER: 60/092,921
; EARLIER FILING DATE: 1998-07-15
; EARLIER APPLICATION NUMBER: 60/094,657
; EARLIER FILING DATE: 1998-07-30
; NUMBER OF SEQ ID NOS: 1227
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1008
; LENGTH: 364
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (259)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (312)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-205-258-1008

Query Match 3.6%; Score 7; DB 2; Length 364;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 125 CPEPLRT 131
| | | | |
Db 298 CPEPLRT 304

```
RESULT 54
US-10-004-860-1008
; Sequence 1008, Application US/10004860
; Patent No. 6914047
; GENERAL INFORMATION:
; APPLICANT: Young et al.
; TITLE OF INVENTION: 207 Human Secreted Proteins
; FILE REFERENCE: P2007P1
; CURRENT APPLICATION NUMBER: US/10/004,860
; CURRENT FILING DATE: 2001-12-07
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 1227
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1008
; LENGTH: 364
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (259)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (312)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-10-004-860-1008

Query Match          3.6%; Score 7; DB 2; Length 364;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 125 CPEPLRT 131
Db 298 CPEPLRT 304
|||||

RESULT 55
US-09-489-039A-8053
; Sequence 8053, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; FILE REFERENCE: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 8053
; LENGTH: 369
; TYPE: PRT
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-8053

Query Match          3.6%; Score 7; DB 2; Length 369;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 129 LRTYGLP 135
Db 189 LRTYGLP 195
|||||

RESULT 56
US-09-543-681A-4353
; Sequence 4353, Application US/09543681A
; Patent No. 6605709
; GENERAL INFORMATION:
; APPLICANT: GARY BRETON
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABILIS
```

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; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.1002-001
; CURRENT APPLICATION NUMBER: US/09/543,681A
; CURRENT FILING DATE: 2000-04-05
; PRIOR APPLICATION NUMBER: US 60/128,706
; PRIOR FILING DATE: 1999-04-09
; NUMBER OF SEQ ID NOS: 8344
; SEQ ID NO 4353
; LENGTH: 370
; TYPE: PRT
; ORGANISM: Proteus mirabilis
US-09-543-681A-4353

Query Match          3.6%; Score 7; DB 2; Length 370;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 129 LRTYGLP 135
Db 190 LRTYGLP 196
|||||

RESULT 57
US-09-257-580-2
; Sequence 2, Application US/09257580
; Patent No. 6307036
; GENERAL INFORMATION:
; APPLICANT: Yorkshire Cancer Research
; TITLE OF INVENTION: Tumour Suppressor Gene
; FILE REFERENCE: Canine p53
; CURRENT APPLICATION NUMBER: US/09/257,580
; CURRENT FILING DATE: 1999-02-25
; PRIOR APPLICATION NUMBER: 9804178.3
; PRIOR FILING DATE: 1998-02-28
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 381
; TYPE: PRT
; ORGANISM: Canis
US-09-257-580-2

Query Match          3.8%; Score 7; DB 2; Length 381;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 122 GPCPEP 128
Db 281 GPCPEP 287
|||||

RESULT 58
US-09-605-703B-2420
; Sequence 2420, Application US/09605703B
; Patent No. 6962989
; GENERAL INFORMATION:
; APPLICANT: Pompeius, Markus
; APPLICANT: Kroger, Burkhard
; APPLICANT: Schroder, Hartwig
; APPLICANT: Zelder, Oskar
; APPLICANT: Haberhauer, Gregor
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING NOVEL
; FILE REFERENCE: BGI-129CP
; CURRENT APPLICATION NUMBER: US/09/605,703B
; CURRENT FILING DATE: 2000-06-27
; PRIOR APPLICATION NUMBER: 60/142,764
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: 60/152,318
; PRIOR FILING DATE: 1999-09-03
; NUMBER OF SEQ ID NOS: 2934
; SEQ ID NO 2420
; LENGTH: 473
```

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; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-09-605-703B-2420

Query Match          3.6%; Score 7; DB 2; Length 473;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 172 SVLSSSG 178
Db 261 SVLSSSG 267
|||||

RESULT 59
US-09-902-540-10085
; Sequence 10085, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15949)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; CURRENT FILING DATE: 2001-07-10
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 10085
; LENGTH: 487
; TYPE: PRT
; ORGANISM: Myxococcus xanthus
US-09-902-540-10085

Query Match          3.6%; Score 7; DB 2; Length 487;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 13 LGLLLAT 19
Db 448 LGLLLAT 454
|||||

RESULT 60
US-09-252-991A-32203
; Sequence 32203, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 32203
; LENGTH: 492
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-32203

Query Match          3.6%; Score 7; DB 2; Length 492;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 PLLIALG 14
Db 323 PLLIALG 329
|||||

RESULT 61
US-09-188-930-185
; Sequence 185, Application US/09188930A
; Patent No. 6150502
; GENERAL INFORMATION:
; APPLICANT: Watson, James D.
; APPLICANT: Strachan, Lorna
; APPLICANT: Sleeman, Matthew
; APPLICANT: Onrust, Rene
; APPLICANT: Murison, James Greg
; TITLE OF INVENTION: Compositions Isolated From Skin Cells
; FILE REFERENCE: 11000.1011c1
; CURRENT APPLICATION NUMBER: US/09/188,930A
; CURRENT FILING DATE: 1998-11-09
; NUMBER OF SEQ ID NOS: 348
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 185
; LENGTH: 536
; TYPE: PRT
; ORGANISM: mouse
US-09-188-930-185

Query Match          3.6%; Score 7; DB 2; Length 536;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 175 SSSGKRL 181
Db 370 SSSGKRL 376
|||||

RESULT 62
US-09-312-283C-185
; Sequence 185, Application US/09312283C
; Patent No. 6573095
; GENERAL INFORMATION:
; APPLICANT: Watson, James D.
; APPLICANT: Strachan, Lorna
; APPLICANT: Sleeman, Matthew
; APPLICANT: Onrust, Rene
; APPLICANT: Murison, James G.
; APPLICANT: Kumble, Krishanand D.
; TITLE OF INVENTION: Compositions Isolated from Skin Cells
; FILE REFERENCE: 11000.1011c2
; CURRENT APPLICATION NUMBER: US/09/312,283C
; CURRENT FILING DATE: 1999-05-14
; NUMBER OF SEQ ID NOS: 425
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 185
; LENGTH: 536
; TYPE: PRT
; ORGANISM: Mouse
US-09-312-283C-185

Query Match          3.6%; Score 7; DB 2; Length 536;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 175 SSSGKRL 181
Db 370 SSSGKRL 376
|||||

RESULT 63
US-09-312-283C-409
; Sequence 409, Application US/09312283C
; Patent No. 6573095
; GENERAL INFORMATION:
; APPLICANT: Watson, James D.
```

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; APPLICANT: Strachan, Lorna
; APPLICANT: Sleeman, Matthew
; APPLICANT: Onrust, Rene
; APPLICANT: Murison, James G.
; APPLICANT: Kumble, Krishanand D.
; TITLE OF INVENTION: Compositions Isolated from Skin Cells
; TITLE OF INVENTION: and Methods for Their Use
; FILE REFERENCE: 11000.1011c2
; CURRENT FILING DATE: 1999-05-14
; NUMBER OF SEQ ID NOS: 425
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 409
; LENGTH: 590
; TYPE: PRT
; ORGANISM: Mouse
US-09-312-283C-409

Query Match          3.6%; Score 7; DB 2; Length 590;
Best Local Similarity 100.0%; Pred. No. 2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 175 SSSGKRL 181
Db 368 SSSGKRL 374

RESULT 64
US-09-252-991A-24349
; Sequence 24349, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252.991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 24349
; LENGTH: 605
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-24349

Query Match          3.6%; Score 7; DB 2; Length 605;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 LIALGLL 16
Db 108 LIALGLL 114

RESULT 65
US-09-328-352-6860
; Sequence 6860, Application US/09328352
; Patent No. 6562958
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
; TITLE OF INVENTION: BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: GTC99-03Pa
; CURRENT APPLICATION NUMBER: US/09/328.352
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 8252
; SEQ ID NO 6860
; LENGTH: 631
; TYPE: PRT
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; ORGANISM: Acinetobacter baumannii
US-09-328-352-6860

Query Match          3.6%; Score 7; DB 2; Length 631;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 14 GLLLATP 20
Db 191 GLLLATP 197

RESULT 66
US-09-422-840B-6
; Sequence 6, Application US/09422840B
; Patent No. 6867017
; GENERAL INFORMATION:
; APPLICANT: Dean, Michael
; APPLICANT: Allikmets, Rando
; APPLICANT: Hutchinson, Amy A.
; TITLE OF INVENTION: ATP-BINDING TRANSPORTER (ABC7) AND METHODS FOR DETECTION OF ANEMIA
; TITLE OF INVENTION: ATAXIA
; FILE REFERENCE: 4239-63609
; CURRENT APPLICATION NUMBER: US/09/422,840B
; CURRENT FILING DATE: 1999-10-21
; PRIOR APPLICATION NUMBER: US 60/105,497
; PRIOR FILING DATE: 1998-10-23
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
; LENGTH: 690
; TYPE: PRT
; ORGANISM: Saccharomyces cerevisiae
US-09-422-840B-6

Query Match          3.8%; Score 7; DB 2; Length 690;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 LIALGLL 16
Db 112 LIALGLL 118

RESULT 67
US-08-895-522-4
; Sequence 4, Application US/08895522
; Patent No. 5858719
; GENERAL INFORMATION:
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Shah, Purvi
; APPLICANT: Corley, Neil C.
; TITLE OF INVENTION: HUMAN ATP-BINDING CASSETTE
; TITLE OF INVENTION: TRANSPORT PROTEIN
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Dr.
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/895,522
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
```

```
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0336 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; TELEX:
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 694 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GenBank
; CLONE: 575393
; US-08-895-522-4

Query Match 3.6%; Score 7; DB 1; Length 694;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 LIALGLL 16
Db 116 LIALGLL 122

RESULT 68
; Sequence 4, Application US/09195391
; Patent No. 6080842
; GENERAL INFORMATION:
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Shah, Purvi
; APPLICANT: Corley, Neil C.
; TITLE OF INVENTION: HUMAN ATP-BINDING CASSETTE
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Dr.
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/195,391
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/895,522
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0336 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; TELEX:
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 694 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear

; IMMEDIATE SOURCE:
; LIBRARY: GenBank
; CLONE: 575393
; US-09-195-391-4

Query Match 3.6%; Score 7; DB 2; Length 694;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 LIALGLL 16
Db 116 LIALGLL 122

RESULT 69
; US-09-252-991A-22481
; Sequence 22481, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 22481
; LENGTH: 694
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
; US-09-252-991A-22481

Query Match 3.6%; Score 7; DB 2; Length 694;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 LIALGLL 16
Db 411 LIALGLL 417

RESULT 70
; US-09-513-057C-27
; Sequence 27, Application US/09513057C
; Patent No. 6433251
; GENERAL INFORMATION:
; APPLICANT: Wagner, et al.
; TITLE OF INVENTION: GENES REGULATING CIRCADIAN CLOCK FUNCTION AND PHOTOPERIODISM
; FILE REFERENCE: 1505-54357
; CURRENT APPLICATION NUMBER: US/09/513,057C
; CURRENT FILING DATE: 2000-02-24
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 27
; LENGTH: 760
; TYPE: PRT
; ORGANISM: Oryza sativa
; US-09-513-057C-27

Query Match 3.6%; Score 7; DB 2; Length 760;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 175 SSSGKRL 181
Db 161 SSSGKRL 167

RESULT 71
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US-09-746-801A-27
; Sequence 27, Application US/09746801A
; Patent No. 6689940
; GENERAL INFORMATION:
; APPLICANT: Wagner, et al.
; TITLE OF INVENTION: GENES REGULATING CIRCADIAN CLOCK FUNCTION AND PHOTOPERIODISM
; FILE REFERENCE: 1505-54357
; CURRENT APPLICATION NUMBER: US/09/746,801A
; CURRENT FILING DATE: 2000-12-20
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 27
; LENGTH: 760
; TYPE: PRT
; ORGANISM: Oryza sativa
US-09-746-801A-27

Query Match          3.6%; Score 7; DB 2; Length 760;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 175 SSSGKRL 181
Db 161 SSSGKRL 167

RESULT 72
US-10-719-885-27
; Sequence 27, Application US/10719885
; Patent No. 6903192
; GENERAL INFORMATION:
; APPLICANT: Wagner, et al.
; TITLE OF INVENTION: GENES REGULATING CIRCADIAN CLOCK FUNCTION AND PHOTOPERIODISM
; FILE REFERENCE: 1505-54357
; CURRENT APPLICATION NUMBER: US/10/719,885
; CURRENT FILING DATE: 2003-11-21
; PRIOR APPLICATION NUMBER: US/09/746,801A
; PRIOR FILING DATE: 2000-12-20
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 27
; LENGTH: 760
; TYPE: PRT
; ORGANISM: Oryza sativa
US-10-719-885-27

Query Match          3.6%; Score 7; DB 2; Length 760;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 175 SSSGKRL 181
Db 161 SSSGKRL 167

RESULT 73
US-09-509-802-2
; Sequence 2, Application US/09509802
; Patent No. 6489130
; GENERAL INFORMATION:
; APPLICANT: Immunex Corp.
; APPLICANT: Bird, Timothy
; APPLICANT: Virca, G.D.
; TITLE OF INVENTION: DEATH ASSOCIATED KINASE CONTAINING ANKYRIN REPEATS (DAKAR)
; FILE REFERENCE: 2889-US
; CURRENT APPLICATION NUMBER: US/09/509,802
; CURRENT FILING DATE: 2000-06-02
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 786
; TYPE: PRT
; ORGANISM: Mus sp.
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US-09-509-802-2

Query Match          3.6%; Score 7; DB 2; Length 786;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 175 SSSGKRL 181
Db 367 SSSGKRL 373

RESULT 74
US-09-188-930-334
; Sequence 334, Application US/09188930A
; Patent No. 6150502
; GENERAL INFORMATION:
; APPLICANT: Watson, James D.
; APPLICANT: Strachan, Lorna
; APPLICANT: Sleeman, Matthew
; APPLICANT: Onrust, Rene
; APPLICANT: Murison, James Greg
; TITLE OF INVENTION: Compositions Isolated From Skin Cells
; TITLE OF INVENTION: and Methods For Their Use
; FILE REFERENCE: 11000.1011c1
; CURRENT APPLICATION NUMBER: US/09/188,930A
; CURRENT FILING DATE: 1998-11-09
; NUMBER OF SEQ ID NOS: 348
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 334
; LENGTH: 787
; TYPE: PRT
; ORGANISM: Mouse
US-09-188-930-334

Query Match          3.6%; Score 7; DB 2; Length 787;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 175 SSSGKRL 181
Db 368 SSSGKRL 374

RESULT 75
US-09-312-283C-334
; Sequence 334, Application US/09312283C
; Patent No. 6573095
; GENERAL INFORMATION:
; APPLICANT: Watson, James D.
; APPLICANT: Strachan, Lorna
; APPLICANT: Sleeman, Matthew
; APPLICANT: Onrust, Rene
; APPLICANT: Murison, James G.
; APPLICANT: Kumble, Krishanand D.
; TITLE OF INVENTION: Compositions Isolated from Skin Cells
; TITLE OF INVENTION: and Methods For Their Use
; FILE REFERENCE: 11000.1011c2
; CURRENT APPLICATION NUMBER: US/09/312,283C
; CURRENT FILING DATE: 1999-05-14
; NUMBER OF SEQ ID NOS: 425
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 334
; LENGTH: 787
; TYPE: PRT
; ORGANISM: Mouse
US-09-312-283C-334

Query Match          3.6%; Score 7; DB 2; Length 787;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 175 SSSGKRL 181
```



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Db      368 SSSGKRL 374

RESULT 76
US-09-134-000C-5518
; Sequence 5518, Application US/09134000C
; Patent No. 6617156
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; FILE REFERENCE: 032796-032
; CURRENT APPLICATION NUMBER: US/09134,000C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/055,778
; PRIOR FILING DATE: 1997-08-15
; NUMBER OF SEQ ID NOS: 6812
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5518
; LENGTH: 794
; TYPE: PRT
; ORGANISM: Enterococcus faecalis
US-09-134-000C-5518

Query Match      3.6%; Score 7; DB 2; Length 794;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      26 KKPSQLS 32
      |||||
Db      152 KKPSQLS 158

RESULT 77
US-09-949-016-9530
; Sequence 9530, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9530
; LENGTH: 833
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-9530

Query Match      3.6%; Score 7; DB 2; Length 833;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      47 VIRSLTL 53
      |||||
Db      520 VIRSLTL 526

RESULT 78
US-09-949-016-6669
; Sequence 6669, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.

; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9530
; LENGTH: 833
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-6669

Query Match      3.6%; Score 7; DB 2; Length 966;
Best Local Similarity 100.0%; Pred. No. 3.1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      47 VIRSLTL 53
      |||||
Db      653 VIRSLTL 659

RESULT 79
US-09-521-527C-3
; Sequence 3, Application US/09521527C
; Patent No. 6790662
; GENERAL INFORMATION:
; APPLICANT: Leturcq, Didier
; TITLE OF INVENTION: Method of isolating CD8+ cells, and related hybridoma
; FILE REFERENCE: ORT1199
; CURRENT APPLICATION NUMBER: US/09/521,527C
; CURRENT FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,253
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:synthetic peptide
US-09-521-527C-3

Query Match      3.1%; Score 6; DB 2; Length 20;
Best Local Similarity 100.0%; Pred. No. 96;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      177 SGKRLG 182
      |||||
Db      15 SGKRLG 20

RESULT 80
US-09-028-937-14
; Sequence 14, Application US/09028937
; Patent No. 6333031
; GENERAL INFORMATION:
; APPLICANT: Olsson, Lennart
; APPLICANT: Naranda, Tatjana
; TITLE OF INVENTION: Receptor Derived Peptides As Modulators
; TITLE OF INVENTION: Of Receptor Activity
; NUMBER OF SEQUENCES: 44
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Flehr, Hobbach, Test, Albritton & Herbert
; STREET: 4 Embarcadero Center, Suite 3400
```

/ CITY: San Francisco
/ STATE: CA
/ COUNTRY: USA
/ ZIP: 94111-4187
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patent In Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/09/028,937
/ FILING DATE:
/ CLASSIFICATION:
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 08/788,820
/ FILING DATE: 23-JAN-1997
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 08/701,382
/ FILING DATE: 22-AUG-1996
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 08/612,999
/ FILING DATE: 08-MAR-1996
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Silva, Robin M.
/ REGISTRATION NUMBER: 38,304
/ REFERENCE/DOCKET NUMBER: A-63139-3/RFT/RMS
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (415) 781-1989
/ TELEFAX: (415) 949-8711
/ INFORMATION FOR SEQ ID NO: 14:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 22 amino acids
/ TYPE: amino acid
/ STRANDEDNESS: unknown
/ TOPOLOGY: unknown
/ MOLECULE TYPE: protein
/ US-028-937-14

Query Match 3.1%; Score 6; DB 2; Length 22;
Best Local Similarity 100.0%; Pred. No. 1.e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 LLIALG 14
Db 14 LLIALG 19

RESULT 81
US-09-270-767-58789
/ Sequence 58789, Application US/09270767
/ Patent No. 6703491
/ GENERAL INFORMATION:
/ APPLICANT: Homburger et al.
/ TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
/ FILE REFERENCE: File Reference: 7326-094
/ CURRENT APPLICATION NUMBER: US/09/270,767
/ CURRENT FILING DATE: 1999-03-17
/ NUMBER OF SEQ ID NOS: 62517
/ SOFTWARE: Patent In Ver. 2.0
/ SEQ ID NO 58789
/ LENGTH: 23
/ TYPE: PRT
/ ORGANISM: Drosophila melanogaster
/ US-09-270-767-58789

Query Match 3.1%; Score 6; DB 2; Length 23;
Best Local Similarity 100.0%; Pred. No. 1.e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 70 GSTSVP 75
Db 6 GSTSVP 11

RESULT 82

US-09-270-767-61359
/ Sequence 61359, Application US/09270767
/ Patent No. 6703491
/ GENERAL INFORMATION:
/ APPLICANT: Homburger et al.
/ TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
/ FILE REFERENCE: File Reference: 7326-094
/ CURRENT APPLICATION NUMBER: US/09/270,767
/ CURRENT FILING DATE: 1999-03-17
/ NUMBER OF SEQ ID NOS: 62517
/ SOFTWARE: Patent In Ver. 2.0
/ SEQ ID NO 61359
/ LENGTH: 24
/ TYPE: PRT
/ ORGANISM: Drosophila melanogaster
/ US-09-270-767-61359

Query Match 3.1%; Score 6; DB 2; Length 24;
Best Local Similarity 100.0%; Pred. No. 1.e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 LIALGL 15
Db 16 LIALGL 21

RESULT 83

US-09-080-140-29
/ Sequence 29, Application US/09080140
/ Patent No. 6890749
/ GENERAL INFORMATION:
/ APPLICANT: BILLING-MEDEL, PATRICIA
/ APPLICANT: COHEN, MAURICE
/ APPLICANT: COLPITTS, TRACEY L.
/ APPLICANT: FRIEDMAN, PAULA N.
/ APPLICANT: GORDON, JULIAN
/ APPLICANT: GRANADOS, EDWARD N.
/ APPLICANT: HODGES, STEVEN C.
/ APPLICANT: KLASS, MICHAEL R.
/ APPLICANT: KRATOCHVIL, JON D.
/ APPLICANT: ROBERTS-RAPP, LISA
/ APPLICANT: RUSSELL, JOHN C.
/ APPLICANT: STROUPE, STEPHEN D.
/ TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
/ FOR DETECTING DISEASES OF THE PROSTATE
/ NUMBER OF SEQUENCES: 31
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Abbott Laboratories
/ STREET: 100 Abbott Park Road
/ CITY: Abbott Park
/ STATE: IL
/ COUNTRY: USA
/ ZIP: 60064-3500
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Diskette
/ COMPUTER: IBM Compatible
/ OPERATING SYSTEM: DOS
/ SOFTWARE: FastSeq for Windows Version 2.0
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/09/080,140
/ FILING DATE:
/ CLASSIFICATION:
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 08/856,653
/ FILING DATE: 15-MAY-1997
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Becker, Cheryl L.
/ REGISTRATION NUMBER: 35,441
/ REFERENCE/DOCKET NUMBER: 6105.US.P1
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 847/935-1729

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;
; TELEFAX: 847/938-2623
; TELEX:
; INFORMATION FOR SEQ ID NO: 29:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 24 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: No. 6890749e
; US-09-080-140-29

Query Match 3.1%; Score 6; DB 2; Length 24;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGLLL 17
Db 13 ALGLLL 18

RESULT 84
US-09-839-577A-15
; Sequence 15, Application US/09839577A
; Patent No. 6951947
; GENERAL INFORMATION:
; APPLICANT: Hahn, Klaus M.
; APPLICANT: Touthkine, Alexei
; APPLICANT: Muthayala, Rajeev
; APPLICANT: Kraynov, Vadim
; APPLICANT: Burton, Dennis R.
; APPLICANT: Chamberlain, Chester
; APPLICANT: The Scripps Research Institute et al.
; TITLE OF INVENTION: Labeled Peptides, Proteins and Antibodies and Processes and Inter
; TITLE OF INVENTION: Useful for their Preparation
; FILE REFERENCE: 1361.007US1
; CURRENT APPLICATION NUMBER: US/09/839,577A
; CURRENT FILING DATE: 2001-04-20
; PRIOR APPLICATION NUMBER: US 60/279,302
; PRIOR FILING DATE: 2001-03-28
; PRIOR APPLICATION NUMBER: PCT/US00/26821
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: US 60/218,113
; PRIOR FILING DATE: 2000-07-13
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15
; LENGTH: 34
; TYPE: PPT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: A synthetic peptide.
US-09-839-577A-15

Query Match 3.1%; Score 6; DB 2; Length 34;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 86 LEKEVA 91
Db 27 LEKEVA 32

RESULT 85
US-09-148-545-204
; Sequence 204, Application US/09148545
; Patent No. 6590075
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 70 Human Secreted Proteins
; FILE REFERENCE: P2001P1
; CURRENT APPLICATION NUMBER: US/09/148,545
; CURRENT FILING DATE: 1998-09-04
; EARLIER APPLICATION NUMBER: PCT/US98/04482
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/047,592
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,581
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,584
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,500
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,587
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,492
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,598
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,613
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,582
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,596
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,612
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,632
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,601
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/043,580
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,568
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,314
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,569
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,311
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,671
; EARLIER FILING DATE: 1997-04-11
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EARLIER APPLICATION NUMBER: 60/043, 674
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043, 669
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043, 312
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043, 313
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043, 672
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043, 315
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/048, 974
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/056, 886
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 877
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 889
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 893
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 630
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 878
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 662
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 872
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 882
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 637
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 903
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 888
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 879
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 880
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 894
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 911
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 636
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 874
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 910
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 864
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 631
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 845
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 892
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/047, 595
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/057, 761
EARLIER FILING DATE: 05-Sep-1997
EARLIER APPLICATION NUMBER: 60/047, 599
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047, 588
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047, 585
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047, 586
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047, 590

EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047, 594
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047, 589
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047, 593
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047, 614
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/043, 578
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043, 576
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/047, 501
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/043, 670
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/056, 632
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 664
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 876
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 881
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 909
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 875
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 862
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 887
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 908
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/048, 964
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/057, 650
EARLIER FILING DATE: 1997-09-05
EARLIER APPLICATION NUMBER: 60/056, 884
EARLIER FILING DATE: 1997-08-22
NUMBER OF SEQ ID NOS: 280
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 204
LENGTH: 35

Query Match 3.1%; Score 6; DB 2; Length 35;
Best Local Similarity 100.0%; Fred. No. 1.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 13 LGLLLA 18
| | | | |
Db 15 LGLLLA 20
| | | | |

RESULT 86
US-09-621-011-204
Sequence 204, Application US/09621011
Patent No. 6878687
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: 70 Human Secreted Proteins
FILE REFERENCE: PZ001P1
CURRENT APPLICATION NUMBER: US/09/621,011
CURRENT FILING DATE: 2000-07-20
Prior application data removed - consult PALM or file wrapper
NUMBER OF SEQ ID NOS: 280
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 204
LENGTH: 35
TYPE: PRT
ORGANISM: Homo sapiens
US-09-621-011-204

Query Match 3.1%; Score 6; DB 2; Length 35;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 13 LGLLLA 18
| | | | |
Db 15 LGLLLA 20

RESULT 87

US-09-205-258-1196
; Sequence 1196, Application US/09205258
; Patent No. 6525174
; GENERAL INFORMATION:
; APPLICANT: Young et al.
; TITLE OF INVENTION: 207 Human Secreted Proteins
; FILE REFERENCE: P2007P1
; CURRENT APPLICATION NUMBER: US/09/205,258
; EARLIER FILING DATE: 1998-12-04
; EARLIER APPLICATION NUMBER: PCT/US98/11422
; EARLIER FILING DATE: 1998-06-04
; EARLIER APPLICATION NUMBER: 60/048,885
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,375
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,881
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,880
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,896
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,020
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,876
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,895
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,884
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,894
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,971
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,964
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,882
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,899
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,893
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,900
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,901
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,892
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,915
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,019
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,970
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,972
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,916
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,373
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,875
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,374

; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,917
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,949
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,974
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,883
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,897
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,898
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,962
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,963
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,877
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,878
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/070,923
; EARLIER FILING DATE: 1997-12-18
; EARLIER APPLICATION NUMBER: 60/092,921
; EARLIER FILING DATE: 1998-07-15
; EARLIER APPLICATION NUMBER: 60/094,657
; EARLIER FILING DATE: 1998-07-30
; NUMBER OF SEQ ID NOS: 1227
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1196
; LENGTH: 44
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-205-258-1196

Query Match 3.1%; Score 6; DB 2; Length 44;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 13 LGLLLA 18
| | | | |
Db 7 LGLLLA 12

RESULT 88

US-10-004-860-1196
; Sequence 1196, Application US/10004860
; Patent No. 6914047
; GENERAL INFORMATION:
; APPLICANT: Young et al.
; TITLE OF INVENTION: 207 Human Secreted Proteins
; FILE REFERENCE: P2007P1
; CURRENT APPLICATION NUMBER: US/10/004,860
; CURRENT FILING DATE: 2001-12-07
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 1227
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1196
; LENGTH: 44
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-004-860-1196

Query Match 3.1%; Score 6; DB 2; Length 44;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 13 LGLLLA 18
| | | | |
Db 7 LGLLLA 12

RESULT 89

US-09-205-258-566
; Sequence 566, Application US/09205258
; Patent No. 6525174
; GENERAL INFORMATION:
; APPLICANT: Young et al.
; TITLE OF INVENTION: 207 Human Secreted Proteins
; FILE REFERENCE: P2007P1
; CURRENT APPLICATION NUMBER: US/09/205,258
; CURRENT FILING DATE: 1998-12-04
; EARLIER APPLICATION NUMBER: PCT/US98/11422
; EARLIER FILING DATE: 1998-06-04
; EARLIER APPLICATION NUMBER: 60/048,885
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,375
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,881
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,880
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,896
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,020
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,876
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,895
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,884
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,894
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,971
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,964
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,882
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,899
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,893
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,900
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,901
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,892
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,915
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,019
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,970
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,972
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,916
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,373
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,875
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,374
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,917
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,949
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,974
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,883
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,897
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 1997-06-06

; EARLIER APPLICATION NUMBER: 60/048,898
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,962
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,963
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,877
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,878
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/070,923
; EARLIER FILING DATE: 1997-12-18
; EARLIER APPLICATION NUMBER: 60/092,921
; EARLIER FILING DATE: 1998-07-15
; EARLIER APPLICATION NUMBER: 60/094,657
; EARLIER FILING DATE: 1998-07-30
; NUMBER OF SEQ ID NOS: 1227
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 566
; LENGTH: 49
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-205-258-566

Query Match 3.1%; Score 6; DB 2; Length 49;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 88 KEVAGL 93
Db 15 KEVAGL 20
|||||

RESULT 90
US-10-004-860-566
; Sequence 566, Application US/10004860
; Patent No. 6914047
; GENERAL INFORMATION:
; APPLICANT: Young et al.
; TITLE OF INVENTION: 207 Human Secreted Proteins
; FILE REFERENCE: P2007P1
; CURRENT APPLICATION NUMBER: US/10/004,860
; CURRENT FILING DATE: 2001-12-07
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 1227
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 566
; LENGTH: 49
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-004-860-566

Query Match 3.1%; Score 6; DB 2; Length 49;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 88 KEVAGL 93
Db 15 KEVAGL 20
|||||

RESULT 91
US-09-148-545-223
; Sequence 223, Application US/09148545
; Patent No. 6590075
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 70 Human Secreted Proteins
; FILE REFERENCE: P2001P1
; CURRENT APPLICATION NUMBER: US/09/148,545
; CURRENT FILING DATE: 1998-09-04
; EARLIER APPLICATION NUMBER: PCT/US98/04482
; EARLIER FILING DATE: 1998-03-06


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; EARLIER APPLICATION NUMBER: 60/047,594
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,589
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,593
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,614
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/043,578
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,576
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/047,501
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/043,670
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/056,632
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,664
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,876
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,881
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,909
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,875
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,862
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,887
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,908
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/048,964
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/057,650
; EARLIER FILING DATE: 1997-09-05
; EARLIER APPLICATION NUMBER: 60/056,884
; EARLIER FILING DATE: 1997-08-22
; NUMBER OF SEQ ID NOS: 280
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 223
; LENGTH: 50

Query Match          3.1%; Score 6; DB 2; Length 50;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 ALGLLL 17
        |||||
Db       8 ALGLLL 13

RESULT 92
US-09-621-011-223
; Sequence 223, Application US/09621011
; Patent No. 6878687
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 70 Human Secreted Proteins
; FILE REFERENCE: P2001P1
; CURRENT APPLICATION NUMBER: US/09/621,011
; CURRENT FILING DATE: 2000-07-20
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 280
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 223
; LENGTH: 50
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE

; EARLIER APPLICATION NUMBER: 60/047,594
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,589
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,593
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,614
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/043,578
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,576
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/047,501
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/043,670
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/056,632
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,664
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,876
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,881
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,909
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,875
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,862
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,887
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,908
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/048,964
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/057,650
; EARLIER FILING DATE: 1997-09-05
; EARLIER APPLICATION NUMBER: 60/056,884
; EARLIER FILING DATE: 1997-08-22
; NUMBER OF SEQ ID NOS: 280
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 223
; LENGTH: 50

Query Match          3.1%; Score 6; DB 2; Length 50;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 ALGLLL 17
        |||||
Db       8 ALGLLL 13

RESULT 94
US-09-270-767-62426
; Sequence 62426, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 62426
; LENGTH: 55
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
; FEATURE:
; OTHER INFORMATION: Xaa means any amino acid
US-09-270-767-62426

Query Match          3.1%; Score 6; DB 2; Length 55;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      146 SLPKSE 151
        |||||
Db       32 SLPKSE 37
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RESULT 95
PCT-US92-08558-8
; Sequence 8, Application PC/TUS9208558
; GENERAL INFORMATION:
; APPLICANT: Cornell Research Foundation, Inc.
; TITLE OF INVENTION: MOLECULAR CLONING AND TRANSFORMATION OF CYCLODIENE RESISTANCE
; NUMBER OF SEQUENCES: 15
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Yahwak & Associates
; STREET: 25 Skytop Drive
; CITY: Trumbull
; STATE: Connecticut
; COUNTRY: USA
; ZIP: 06611
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: Macintosh
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: Microsoft Word 4.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US92/08558
; FILING DATE: 19921002
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/770,881
; FILING DATE: October 4th 1991
; ATTORNEY/AGENT INFORMATION:
; NAME: George M. Yahwak
; REGISTRATION NUMBER: 26,824
; REFERENCE/DOCKET NUMBER: CRF D-1052
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (203)268-1951
; TELEFAX: (203)268-1951
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 56 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
PCT-US92-08558-8

Query Match 3.1%; Score 6; DB 4; Length 56;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0;

Qy 163 LTTGNY 168
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Db 28 LTTGNY 33

RESULT 96
US-09-902-540-11395
; Sequence 11395, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wisgard, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 11395
; LENGTH: 59
; TYPE: PRT
; ORGANISM: Myxococcus xanthus
US-09-902-540-11395

Query Match 3.1%; Score 6; DB 2; Length 59;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0;

Qy 83 DLVLEK 88
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Db 40 DLVLEK 45

RESULT 97
US-09-248-796A-25577
; Sequence 25577, Application US/09248796A
; Patent No. 6747137
; GENERAL INFORMATION:
; APPLICANT: Kelch Weinstein et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN
; FILE REFERENCE: 107196.132
; CURRENT APPLICATION NUMBER: US/09/248,796A
; CURRENT FILING DATE: 1999-02-12
; PRIOR APPLICATION NUMBER: US 60/074,725
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: US 60/096,409
; PRIOR FILING DATE: 1998-08-13
; NUMBER OF SEQ ID NOS: 28208
; SEQ ID NO 25577
; LENGTH: 61
; TYPE: PRT
; ORGANISM: Candida albicans
US-09-248-796A-25577

Query Match 3.1%; Score 6; DB 2; Length 61;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0;

Qy 172 SVLSSS 177
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Db 19 SVLSSS 24

RESULT 98

US-08-663-082-2
; Sequence 2, Application US/08663082
; Patent No. 6043411
; GENERAL INFORMATION:
; APPLICANT: NISHIZAWA, Osamu
; APPLICANT: TOGURI, Toshihiro
; TITLE OF INVENTION: GENE FOR FATTY ACID DESATURASE, VECTOR
; TITLE OF INVENTION: CONTAINING SAID GENE, PLANT TRANSFORMED WITH SAID GENE,
; TITLE OF INVENTION: AND PROCESS FOR CREATING SAID PLANT
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 3000 K Street, N.W., Suite 500
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20007-5109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/663,082
; FILING DATE: 25-JUN-1996
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/JP94/02288
; FILING DATE: 28-DEC-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 93/352858
; FILING DATE: 28-DEC-1993

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; ATTORNEY/AGENT INFORMATION:
; NAME: BENT, Stephen A.
; REGISTRATION NUMBER: 29,768
; REFERENCE/DOCKET NUMBER: 81356/107
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)672-5300
; TELEFAX: (202)672-5399
; TELEX: 904136
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 65 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; ORIGINAL SOURCE:
; ORGANISM: Anabaena variabilis
; STRAIN: IAM M-3
; US-08-663-082-2

Query Match          3.1%; Score 6; DB 2; Length 65;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 ALGILL 17
DB      1 ALGILL 6

RESULT 99
US-09-107-532A-6727
; Sequence 6727, Application US/09107532A
; Patent No. 6583275
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 7310
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-ROM ISO9660
; COMPUTER: PC
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,532A
; FILING DATE: 30-Jun-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/085,598
; FILING DATE: 14 May 1998
; APPLICATION NUMBER: 60/051571
; FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ariniello, Pamela Deneke
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-012
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 6727:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 66 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: YES
; ORIGINAL SOURCE:
; ORGANISM: Enterococcus faecium
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; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (B) LOCATION 1...66
; SEQUENCE DESCRIPTION: SEQ ID NO: 6727:
US-09-107-532A-6727

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Best Local Similarity 100.0%; Pred. No. 2.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB      21 LGLLLA 26

RESULT 100
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; Sequence 901, Application US/09471276
; Patent No. 6822072
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Duclert A.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
; Patent No. 6822072
; FILE REFERENCE: GENSET.025CP1
; CURRENT APPLICATION NUMBER: US/09/471,276
; CURRENT FILING DATE: 1999-12-21
; EARLIER APPLICATION NUMBER: 09/057,719
; EARLIER FILING DATE: 1998-04-09
; EARLIER APPLICATION NUMBER: 09/069,047
; EARLIER FILING DATE: 1998-04-28
; EARLIER APPLICATION NUMBER: PCT/IB99/00712
; EARLIER FILING DATE: 1999-04-09
; NUMBER OF SEQ ID NOS: 1622
; SOFTWARE: Patent.pm
; SEQ ID NO 901
; LENGTH: 68
; TYPE: PRT
; ORGANISM: Homo sapiens
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; NAME/KEY: SIGNAL
; LOCATION: -18..-1
US-09-471-276-901

Query Match          3.1%; Score 6; DB 2; Length 68;
Best Local Similarity 100.0%; Pred. No. 2.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB      59 PLSSPL 64

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Job time : 76.7689 secs
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GenCore version 5.1.7
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Run on: February 16, 2006, 13:53:01 ; Search time 655 Seconds

(without alignments)
2436.626 Million cell updates/sec

Title: US-10-030-937-9

Perfect score: 193

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| | Ygapop 60.0 , Ygapext 60.0 |
| | Fgapop 6.0 , Fgapext 7.0 |
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Searched: 9793542 seqs, 4134689005 residues

Word size: 1

Total number of hits satisfying chosen parameters: 19572565

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 150 summaries

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Database : Published Applications NA.Main:

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| 10: | /cgn2_6/ptodata/1/pubpna/US11_PUBCOMB.seq:* |

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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| 1 | 112 | 58.0 | 953 | 8 | US-10-723-860-528 | Sequence 528, App |
| 2 | 112 | 58.0 | 1935 | 3 | US-09-971-392-102 | Sequence 102, App |
| 3 | 112 | 58.0 | 2384 | 3 | US-09-822-849A-53 | Sequence 53, Appl |
| 4 | 112 | 58.0 | 2436 | 3 | US-09-954-531-380 | Sequence 380, App |
| 5 | 112 | 58.0 | 2436 | 3 | US-09-525-978B-81 | Sequence 81, Appl |
| 6 | 112 | 58.0 | 2436 | 9 | US-10-843-641A-1447 | Sequence 1447, Ap |
| 7 | 112 | 58.0 | 2471 | 9 | US-10-450-763-711 | Sequence 711, App |

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| 8 | 112 | 58.0 | 2478 | 6 | US-10-170-385-390 | Sequence 390, App |
| 9 | 112 | 58.0 | 2498 | 9 | US-10-450-763-16917 | Sequence 16917, A |
| 10 | 112 | 58.0 | 3988 | 8 | US-10-723-860-5187 | Sequence 5187, Ap |
| 11 | 100 | 51.8 | 546 | 9 | US-10-450-763-708 | Sequence 708, App |
| 12 | 61 | 31.6 | 475 | 3 | US-09-864-761-1518 | Sequence 1518, Ap |
| 13 | 48 | 24.9 | 145 | 3 | US-09-864-761-18277 | Sequence 18277, A |
| 14 | 40 | 20.7 | 448 | 3 | US-09-969-034-4215 | Sequence 4215, Ap |
| 15 | 40 | 20.7 | 250000 | 6 | US-10-225-810-26 | Sequence 26, Appl |
| 16 | 18 | 9.3 | 546 | 5 | US-10-027-632-207798 | Sequence 207798, App |
| 17 | 18 | 9.3 | 546 | 5 | US-10-027-632-207799 | Sequence 207799, App |
| 18 | 18 | 9.3 | 546 | 5 | US-10-027-632-207800 | Sequence 207800, App |
| 19 | 18 | 9.3 | 546 | 5 | US-10-027-632-207801 | Sequence 207801, App |
| 20 | 18 | 9.3 | 546 | 6 | US-10-027-632-207798 | Sequence 207798, App |
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| 22 | 18 | 9.3 | 546 | 6 | US-10-027-632-207800 | Sequence 207800, App |
| 23 | 18 | 9.3 | 546 | 6 | US-10-027-632-207801 | Sequence 207801, App |
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| 33 | 9 | 4.7 | 649 | 7 | US-10-425-114-7785 | Sequence 7785, Ap |
| 34 | 9 | 4.7 | 787 | 3 | US-09-765-272-97 | Sequence 97, Appl |
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| 36 | 9 | 4.7 | 811 | 3 | US-09-765-272-205 | Sequence 205, App |
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| 38 | 9 | 4.7 | 873 | 8 | US-10-472-928-4347 | Sequence 4347, Ap |
| 39 | 9 | 4.7 | 987 | 9 | US-10-617-320-715 | Sequence 715, App |
| 40 | 9 | 4.7 | 1051 | 7 | US-10-424-599-38496 | Sequence 38496, A |
| 41 | 9 | 4.7 | 12127 | 7 | US-08-961-527-148 | Sequence 148, App |
| 42 | 9 | 4.7 | 12127 | 7 | US-10-158-844-148 | Sequence 148, App |
| 43 | 9 | 4.7 | 2162598 | 8 | US-10-472-928-4979 | Sequence 4979, Ap |
| 44 | 8 | 4.1 | 25 | 8 | US-10-719-900-237828 | Sequence 237828, App |
| 45 | 8 | 4.1 | 60 | 3 | US-09-908-375-22643 | Sequence 22643, A |
| 46 | 8 | 4.1 | 195 | 3 | US-09-864-761-18267 | Sequence 18267, A |
| 47 | 8 | 4.1 | 223 | 7 | US-10-424-599-102858 | Sequence 102858, App |
| 48 | 8 | 4.1 | 274 | 8 | US-10-425-115-5227 | Sequence 5227, Ap |
| 49 | 8 | 4.1 | 301 | 8 | US-10-696-639-2552 | Sequence 2552, Ap |
| 50 | 8 | 4.1 | 319 | 3 | US-09-864-761-20513 | Sequence 20513, A |
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| 54 | 8 | 4.1 | 420 | 7 | US-10-424-599-85374 | Sequence 85374, A |
| 55 | 8 | 4.1 | 430 | 3 | US-09-864-761-1508 | Sequence 1508, Ap |
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| 65 | 8 | 4.1 | 496 | 4 | US-09-925-065A-363696 | Sequence 363696, App |
| 66 | 8 | 4.1 | 496 | 4 | US-09-925-065A-363697 | Sequence 363697, App |
| 67 | 8 | 4.1 | 496 | 4 | US-09-925-065A-363698 | Sequence 363698, App |
| 68 | 8 | 4.1 | 504 | 4 | US-09-925-065A-342350 | Sequence 342350, App |
| 69 | 8 | 4.1 | 504 | 4 | US-09-925-065A-342353 | Sequence 342353, App |
| 70 | 8 | 4.1 | 513 | 4 | US-09-925-065A-426529 | Sequence 426529, App |
| 71 | 8 | 4.1 | 513 | 4 | US-09-925-065A-426530 | Sequence 426530, App |
| 72 | 8 | 4.1 | 516 | 4 | US-09-925-065A-311390 | Sequence 311390, App |
| 73 | 8 | 4.1 | 523 | 4 | US-09-925-065A-410117 | Sequence 410117, App |
| 74 | 8 | 4.1 | 531 | 4 | US-09-925-065A-515183 | Sequence 515183, App |
| 75 | 8 | 4.1 | 542 | 4 | US-09-925-065A-410116 | Sequence 410116, App |
| 76 | 8 | 4.1 | 581 | 4 | US-09-925-065A-190128 | Sequence 190128, App |
| 77 | 8 | 4.1 | 587 | 4 | US-09-925-065A-439582 | Sequence 439582, App |
| 78 | 8 | 4.1 | 593 | 5 | US-10-027-632-277778 | Sequence 277778, App |
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| 80 | 8 | 4.1 | 594 | 4 | US-09-925-065A-540332 | Sequence 540332, App |


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; APPLICANT: Cocks, Benjamin G.
; TITLE OF INVENTION: GENES REGULATED IN DENDRITIC CELL DIFFERENTIATION
; FILE REFERENCE: PA-0029 US
; CURRENT APPLICATION NUMBER: US/09/971,392
; CURRENT FILING DATE: 2001-10-03
; PRIOR APPLICATION NUMBER: 60/237,652
; PRIOR FILING DATE: 2000-10-03
; NUMBER OF SEQ ID NOS: 260
; SOFTWARE: PERL Program
; SEQ ID NO 102
; LENGTH: 1935
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Template ID: 977615.8
US-09-971-392-102

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Score: 112.00 Matches: 152
Percent Similarity: 98.7% Conservative: 0
Best Local Similarity: 98.7% Mismatches: 1
Query Match: 58.0% Indels: 2
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-971-392-102 (1-1935)

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Qy 61 ProGlyAsnValThrLeuSerValValGlySerThrSerValProLeuSerSerProLeu 80
Db 282 CCTGGAATGTGACCTCAGTGTCTGGGAGCAGCAGTGTCCCTGAGTTCCTCTG 341
Qy 81 LysValAspLeuValLeuGluLysGluValAlaGlyLeuThrIleLysIleProCysThr 100
Db 342 AAGGTGATTTAGTTTTGGGAAGAGGTGGCTGGCTCTGGATCAAGATCCCATGCACA 401
Qy 101 AspTyrIleGlySerCysThrPheGluHisPheCysAspValLeuAspMetLeuIlePro 120
Db 402 GACTACATTGGCAGCTGTACCTTTGAACACTTCTGTGATGTGCTTGACATGTTAATTCCT 461
Qy 121 ThrGlyGluProCysProGluProLeuArgThrTyrGlyLeuProCysHisCysProPhe 140
Db 462 ACTGGGAGCCCTGCCAGAGCCCTCGTACCTATGGGCTTCTTGCCACTGTCCCTTC 521
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Db 522 AAAGAAGGAACCTACTCACTGCCCAAGAGCGAATTTCGT-TGTGCTTGACCTGGAGCTGCC 580
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Qy 180 gLeuGlyCysIleLysIleAlaAlaSerLeuLysGlyIle 193
Db 641 TCTGGGTGCATCAAGATCGTGCCTCTCTAAAGGGCATA 680

RESULT 3
US-09-822-849A-53
; Sequence 53, Application US/09822849A
; Patent No. US20020045170A1
; GENERAL INFORMATION:
; APPLICANT: Wong, Gordon G.
; APPLICANT: Clark, Hilary
; APPLICANT: Fechtel, Kim
; APPLICANT: Agostino, Michael J.
; APPLICANT: Howes, Steven H.
; APPLICANT: Resnick, Richard J.
; APPLICANT: Gulukota, Kamalakara
; APPLICANT: Graham, James R.
```

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; APPLICANT: Genetics Institute, Inc.
; TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING NOVEL SECRETED PROTEINS
; FILE REFERENCE: GIN 6403
; CURRENT APPLICATION NUMBER: US/09/822,849A
; CURRENT FILING DATE: 2001-09-04
; PRIOR APPLICATION NUMBER: 60/195,582
; PRIOR FILING DATE: 2000-04-06
; NUMBER OF SEQ ID NOS: 598
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 53
; LENGTH: 2384
; TYPE: DNA
; ORGANISM: Homo sapiens
; OTHER INFORMATION: US-09-822-849A-53

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Pred. No.: 5.01e-102 Length: 2384
Score: 112.00 Matches: 152
Percent Similarity: 98.7% Conservative: 0
Best Local Similarity: 98.7% Mismatches: 1
Query Match: 58.0% Indels: 2
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-822-849A-53 (1-2384)

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RESULT 4
US-09-954-531-380
; Sequence 380, Application US/09954531
; Patent No. US20020165180A1
; GENERAL INFORMATION:
; APPLICANT: Weaver, Zoe
; TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using Can
; FILE REFERENCE: 689290-77
; CURRENT APPLICATION NUMBER: US/09/954,531
; CURRENT FILING DATE: 2002-05-02
; PRIOR APPLICATION NUMBER: US/60/233,133
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: US/60/234,009
; PRIOR FILING DATE: 2000-09-20
; PRIOR APPLICATION NUMBER: US/60/234,034
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; PRIOR FILING DATE: 2000-09-20
; PRIOR APPLICATION NUMBER: US/60/234,509
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: US/60/234,567
; PRIOR FILING DATE: 2000-09-22
; NUMBER OF SEQ ID NOS: 1392
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 380
; LENGTH: 2436
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-954-531-380

Alignment Scores:
Pred. No.:      5,11e-102      Length:      2436
Score:          112.00        Matches:    191
Percent Similarity: 97.9%      Conservative: 0
Best Local Similarity: 97.9%    Mismatches: 2
Query Match:    58.0%         Indels:     4
DB:             3            Gaps:        0

US-10-030-937-9 (1-193) x US-09-954-531-380 (1-2436)

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Db      59 ATGCAGTCCCTGATGCAGGCTCCCTCTGATCGCCCTGGGCTTGCTTCTCGCGACCCCT 118
QY      21 AlaGlnAlaHisLeuLysProSerGlnLeuSerSerPheSerTrpAspAsnCysPhe 40
Db      119 GCGCAAGCCCACTGAAAAGCCATCCAGCTCAGTAGCTTTTCTCTGGGATACTGTGA- 177
QY      41 -GluGlyLysAspProAlaValIleArgSerLeuThrLeuGluProAspProIleValVa 60
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QY      60 lProGlyAsnValThrLeuSerValValGlySerThrSerValProLeuSerSerProle 80
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QY      80 uLysValAspLeuValLeuGluLysGluValAlaGlyLeuTrpIleLysIleProCysTh 100
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QY      100 rAspTyrIleGlySerCysThrPheGluHisPheCysAspValLeuAspMetLeuLePr 120
Db      358 AGACTACATTGGCAGCTGTACCTTTGAACACTTCTGTGATGTCTTGACATGTTAATTCC 417
QY      120 oThrGlyGluProCysProGluProLeuArgThrTyrGlyLeuProCysHisCysProPh 140
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QY      140 eLysGluGlyThrTyrSerLeuProLysSerGluPheAla-ValProAspLeuGluLeuP 160
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QY      160 roSerTrpLeuThrThrGlyAsnTyrArgIleGluSerValLeuSerSerSerGlyLysA 180
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QY      180 rgLeuGlyCysIleLysIleAlaAlaSerLeuLysGlyIle 193
Db      597 GTCTGGGCTGCATCAAGATCGCTCTCTCTAAAGGGCATA 637

RESULT 5
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; Sequence 81, Application US/09525978B
; Publication No. US20030049722A1
; GENERAL INFORMATION:
; APPLICANT: Murray, Richard
; APPLICANT: Caras, Ingrid W.
; APPLICANT: Hevezi, Peter
; APPLICANT: Wilson, Keith
; TITLE OF INVENTION: NOVEL METHODS OF DIAGNOSING MACROPHAGE DEVELOPMENT
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; TITLE OF INVENTION: RELATED DISORDERS, COMPOSITIONS, AND METHODS OF
; TITLE OF INVENTION: SCREENING FOR MACROPHAGE DEVELOPMENT MODULATORS
; FILE REFERENCE: A-67413-1/DJB/JJD
; CURRENT APPLICATION NUMBER: US/09/525,978B
; CURRENT FILING DATE: 2000-03-15
; PRIOR APPLICATION NUMBER: USSN 60/124,530
; PRIOR FILING DATE: 1999-03-15
; NUMBER OF SEQ ID NOS: 83
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 81
; LENGTH: 2436
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-525-978B-81

Alignment Scores:
Pred. No.:      5,11e-102      Length:      2436
Score:          112.00        Matches:    191
Percent Similarity: 97.9%      Conservative: 0
Best Local Similarity: 97.9%    Mismatches: 2
Query Match:    58.0%         Indels:     4
DB:             3            Gaps:        0

US-10-030-937-9 (1-193) x US-09-525-978B-81 (1-2436)

QY      1 MetGlnSerLeuMetGlnAlaProLeuLeuIleAlaLeuGlyLeuLeuAlaThrPro 20
Db      59 ATGCAGTCCCTGATGCAGGCTCCCTCTGATCGCCCTGGGCTTGCTTCTCGCGACCCCT 118
QY      21 AlaGlnAlaHisLeuLysProSerGlnLeuSerSerPheSerTrpAspAsnCysPhe 40
Db      119 GCGCAAGCCCACTGAAAAGCCATCCAGCTCAGTAGCTTTTCTCTGGGATACTGTGA- 177
QY      41 -GluGlyLysAspProAlaValIleArgSerLeuThrLeuGluProAspProIleValVa 60
Db      178 TGAAGGGAAGACCTTCGCGTGATCAGAGCCCTGACTCTGGAGCCCTGACCCCATCGCT 237
QY      60 lProGlyAsnValThrLeuSerValValGlySerThrSerValProLeuSerSerProle 80
Db      238 TCCTGGAAATGTGACCCCTCAGTGTCTGGGCGACACAGTGTCCCTCTGAGTTCTCCTCT 297
QY      80 uLysValAspLeuValLeuGluLysGluValAlaGlyLeuTrpIleLysIleProCysTh 100
Db      298 GAAGTGGGATTTAGTTTGGAGAGAGAGGTGGCTGGCCCTCTGATCAAGATCCCATGCAC 357
QY      100 rAspTyrIleGlySerCysThrPheGluHisPheCysAspValLeuAspMetLeuLePr 120
Db      358 AGACTACATTGGCAGCTGTACCTTTGAACACTTCTGTGATGTCTTGACATGTTAATTCC 417
QY      120 oThrGlyGluProCysProGluProLeuArgThrTyrGlyLeuProCysHisCysProPh 140
Db      418 TACTGGGAGCCCTGCCAGAGCCCTGCGTACCTATGGGCTTCTTGGCCACTGTCCCTT 477
QY      140 eLysGluGlyThrTyrSerLeuProLysSerGluPheAla-ValProAspLeuGluLeuP 160
Db      478 CAAAGAAGGAACCTACTACTCTGCCCAAGAGCGAATTTCGT-TGTGCTCTGACCTGGAGCTGC 536
QY      160 roSerTrpLeuThrThrGlyAsnTyrArgIleGluSerValLeuSerSerSerGlyLysA 180
Db      537 CCAGTTGGCTCACCACCGGAACTACCGCATAGAGAGCGTCTCTGAGCAGCAGTGGGAGC 596
QY      180 rgLeuGlyCysIleLysIleAlaAlaSerLeuLysGlyIle 193
Db      597 GTCTGGGCTGCATCAAGATCGCTCTCTCTCTAAAGGGCATA 637

RESULT 6
US-10-843-641A-1447
; Sequence 1447, Application US/10843641A
; Publication No. US20050064454A1
; GENERAL INFORMATION:
; APPLICANT: Avalon Pharmaceuticals, Inc.
; APPLICANT: Cancer Gene Determination and Therapeutic Screening Using
; TITLE OF INVENTION: Signature Gene Sets
```

```
; FILE REFERENCE: 689290-189
; CURRENT APPLICATION NUMBER: US/10/843,641A
; CURRENT FILING DATE: 2004-05-12
; PRIOR APPLICATION NUMBER: US/09/873,367
; PRIOR FILING DATE: 2001-06-05
; PRIOR APPLICATION NUMBER: US/09/954,531
; PRIOR FILING DATE: 2001-09-18
; PRIOR APPLICATION NUMBER: US/09/954,456
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US/09/962,436
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US/09/962,832
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US/09/964,824
; PRIOR FILING DATE: 2001-09-27
; PRIOR APPLICATION NUMBER: US/09/967,768
; PRIOR FILING DATE: 2001-09-28
; PRIOR APPLICATION NUMBER: US/09/968,007
; PRIOR FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US/09/969,347
; PRIOR FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US/09/969,708
; PRIOR FILING DATE: 2001-10-03
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 847
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1447
; LENGTH: 2436
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-843-641A-1447

Alignment Scores:
Pred. No.: 5,11e-102 Length: 2436
Score: 112.00 Matches: 191
Percent Similarity: 97.9% Conservative: 0
Best Local Similarity: 97.9% Mismatches: 2
Query Match: 58.0% Indels: 4
DB: 9 Gaps: 0

US-10-030-937-9 (1-193) x US-10-843-641A-1447 (1-2436)

Qy 1 MetGlnSerLeuMetGlnAlaProLeuLeuLeuAlaLeuGlyLeuLeuAlaThrPro 20
Db 59 ATGCAGTCCCTGATGAGGCTCCCTCTCTGATCGCCCTGGGCTTCTCGACCCCT 118
Qy 21 AlaGlnAlaHisLeuLysLysProSerGlnLeuSerSerPheSerTrpAspAsnCysPhe 40
Db 119 GCGCAGGCCCACTGAAAGGCCATCCAGCTCAGTAGCTTTCTGGGATACTGCA- 177
Qy 41 -GluGlyLysAspProAlaValIleArgSerLeuThrLeuGluProAspProIleValVa 60
Db 178 TGAAGGGAAGGACCTGCGGTGATCAGAAGCCTGACTCTGGAGCCTGACCCCATCGT 237
Qy 60 lProGlyAsnValThrLeuSerValValGlySerThrSerValProLeuSerSerProLe 80
Db 238 TCCTGGAAATGTGACCTCAGTGTGCGGGCAGCACCAGTGTCCCTCGAGTTCTCCTCT 297
Qy 80 uLysValAspLeuValLeuGluLysGluValAlaGlyLeuTrpIleLysIleProCysTh 100
Db 298 GAAGGTGGATTAGTTTGGAGAGGAGTGGCTCTGGATCAAGATCCCATGCAC 357
Qy 100 rAspTrpIleGlySerCysThrPheGluHisPheCysAspValLeuAspMetLeuLePr 120
Db 358 AGACTACATTGGCAGCTGACTTTGAACACTTCTGTGATGTGCTTGACATGTTAAATTC 417
Qy 120 oThrGlyLysProCysProGluProLeuArgThrTyGlyLeuProCysHisCysProPh 140
Db 418 TACTGGGAGGCTTGGCCAGAGCCCTCGTACCTATGGGCTTCTTGGCCACTGTCCCTT 477
Qy 140 eLysGluGlyThrTyTrSerLeuProLysSerGluPheAla-ValProAspLeuGluLeuP 160
Db 478 CAAGAGGAGCACTTACTACTCTGCCCNAGAGCGAATTGCT-TGTGCTGACCTGGAGTGC 536

Qy 160 roSerTrpLeuThrThrGlyAsnTyArgIleGluSerValLeuSerSerGlyLysA 180
Db 537 CCAGTTGGCTCACCACCGGAACCTACCGCATAGAGCGTCTGAGCAGCAGTGGGAAGC 596
Qy 180 rgLeuGlyCysIleLysIleAlaAlaSerLeuLysGlyIle 193
Db 597 GTCTGGGCTGCATCAAGATCGCTGCTCTCTAAAGGGCATA 637

RESULT 7
US-10-450-763-711
; Sequence 711, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 711
; LENGTH: 2471
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SIMILAR
; LOCATION: (93)..(671)
; OTHER INFORMATION: 100% homologous to Homo sapiens G-M2 activator
US-10-450-763-711

Alignment Scores:
Pred. No.: 5,17e-102 Length: 2471
Score: 112.00 Matches: 152
Percent Similarity: 98.7% Conservative: 0
Best Local Similarity: 98.7% Mismatches: 1
Query Match: 58.0% Indels: 2
DB: 9 Gaps: 0

US-10-030-937-9 (1-193) x US-10-450-763-711 (1-2471)

Qy 41 GluGlyLysAspProAlaValIleArgSerLeuThrLeuGluProAspProIleValVal 60
Db 213 GAAGGGAAGGACCTGCGGTGATCAGAAGCCTGACTCTGGAGCCTGACCCCATCGTCT 272
Qy 61 ProGlyAsnValThrLeuSerValValGlySerThrSerValProLeuSerSerProLeu 80
Db 273 CCTGGAATGTGACCTCAGTGTGCGGGCAGCACCAGTGTCCCTCGAGTTCTCTCTG 332
Qy 81 LysValAspLeuValLeuGluLysGluValAlaGlyLeuTrpIleLysIleProCysThr 100
Db 333 AAGGTGGATTAGTTTGGAGAGGAGTGGCTGGCTCTGGATCAAGATCCCATGCACA 392
Qy 101 AspTrpIleGlySerCysThrPheGluHisPheCysAspValLeuAspMetLeuPro 120
Db 393 GACTACATTGGCAGCTGACTTTGAACACTTCTGTGATGTGCTTGACATGTTAAATTC 452
Qy 121 ThrGlyGluProCysProGluProLeuArgThrTyGlyLeuProCysHisCysProPhe 140
Db 453 ACTGGGAGGCTTGGCCAGAGCCCTCGTACCTATGGGCTTCTTGGCCACTGTCCCTTC 512
Qy 141 LysGluGlyThrTyTrSerLeuProLysSerGluPheAla-ValProAspLeuGluLeuPr 160
Db 513 AAAGAAGGAACCTACTACTCTGCCCAAGAGCGAATTGCT-TGTGCTGACCTGGAGTGC 571
Qy 160 oSerTrpLeuThrThrGlyAsnTyArgIleGluSerValLeuSerSerGlyLysA 180
```

```
Db 572 CAGTTGGCTCACACCGGGAACTACCGCATAGAGAGCGTCTCGAGCAGCAGTGGGAAGCG 631
Qy 180 gluGlyCysIleAlaAlaSerLeuLysGlyIle 193
Db 632 TCTGGGCTGCATCAAGATCGTCCCTCTCTAAAGGGCATA 671

RESULT 8
US-10-170-385-390
; Sequence 390, Application US/10170385
; Publication No. US20030203372A1
; GENERAL INFORMATION:
; APPLICANT: Ward, Neil Raymond
; APPLICANT: Mundy, Christopher Robert
; APPLICANT: Kan, On
; APPLICANT: Harris, Robert Alan
; APPLICANT: White, Jonathan
; APPLICANT: Binley, Katie Mary
; APPLICANT: Rayner, William Nigel
; APPLICANT: Naylor, Stuart
; APPLICANT: Kingsman, Susan Mary
; APPLICANT: Krige, David
; TITLE OF INVENTION: ANALYSIS METHOD
; FILE REFERENCE: 532682000100
; CURRENT APPLICATION NUMBER: US/10/170,385
; CURRENT FILING DATE: 2002-06-12
; PRIOR APPLICATION NUMBER: PCT/GB02/01662
; PRIOR FILING DATE: 2002-04-08
; PRIOR APPLICATION NUMBER: PCT/GB01/05458
; PRIOR FILING DATE: 2001-12-10
; NUMBER OF SEQ ID NOS: 549
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 390
; LENGTH: 2478
; TYPE: DNA
; ORGANISM: Homo Sapiens
US-10-170-385-390

Alignment Scores:
Pred. No.: 5.19e-102 Length: 2478
Score: 112.00 Matches: 191
Percent Similarity: 97.9% Conservative: 0
Best Local Similarity: 97.9% Mismatches: 2
Query Match: 58.0% Indels: 4
DB: 6 Gaps: 0

US-10-030-937-9 (1-193) x US-10-170-385-390 (1-2478)
Qy 1 MetGlnSerLeuMetGlnAlaProLeuLeuLeuAlaLeuGlyLeuLeuLeuAlaThrPro 20
Db 96 ATGCAGTCCCTGATGCAGGCTCCCTCCTGATCGCCCTGGGCTTGCTTCTCGGAGCCCT 155
Qy 21 AlaGlnAlaHisLeuLysProSerGlnLeuSerSerPheSerTrpAspAsnCysPhe 40
Db 156 GCGCAAGCCACCTGAAAGCCATCCAGCTCAGTAGCTTTTCTCTGGGATACTGTGA- 214
Qy 41 -GluGlyLysAspProAlaValIleArgSerLeuThrLeuGluProAspProIleValVa 60
Db 215 TGAAGGGAGGAGCCCTCGGCTGATCAGAGCCTGATCTGGAGCCTGACCCCATCTCGT 274
Qy 60 lProGlyAsnValThrLeuSerValValGlySerThrSerValProLeuSerSerProLe 80
Db 275 TCCTGAAATGTGACCTCAGTCTCGTGGGAGCAGCAGGTGCCCCCTGAGTTCTCTCT 334
Qy 80 uLysValAspLeuValLeuGluLysGluValAlaGlyLeuTrpIleLysIleProCysTh 100
Db 335 GAAGGTGGATTTAGTTTGAAGAGGAGGTGGCTGCGCTCTGGATCAAGATCCCATGCAC 394
Qy 100 rAspTrpIleGlySerCysThrPheGluHisPheCysAspValLeuAspMetLeuIlePr 120
Db 395 AGACTACATGGCAGCTGTACCTTTGACACTTCTGTGATGCTGTGACATGTATATCC 454
Qy 120 oThrGlyGluProCysProGluProLeuArgThrTrpGlyLeuProCysHisCysProPh 140
```

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Db 455 TACTGGGAGCCCTGCCACAGAGCCCTGCTGTACCTATGGGCTTCTTGGCACTGTCCCTT 514
Qy 140 eLysGluGlyThrTrpSerLeuProLysSerGluPheAla-ValProAspLeuGluLeuP 160
Db 515 CAAAGAAAGAACTACTCTCACTGCCCAAGAGCGAATTCGT-TGTGCTTGACCTGGAGCTGC 573
Qy 160 roSerTrpLeuThrThrGlyAsnTyrArgIleGluSerValLeuSerSerSerGlyLysA 180
Db 574 CCAGTTGGCTCACACCGGAACTACCGCATAGAGAGCGTCTCTGAGCAGCAGTGGGAAGC 633
Qy 180 rGluGlyCysIleLysIleAlaAlaSerLeuLysGlyIle 193
Db 634 GTCTGGGCTGCATCAAGATCGTCCCTCTCTAAAGGGCATA 674

RESULT 9
US-10-450-763-16917/c
; Sequence 16917, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 16917
; LENGTH: 2498
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SIMILAR
; LOCATION: (2628)..(2714)
; OTHER INFORMATION: 74% homologous to Homo sapiens Human secreted protein, SEQ ID
; OTHER INFORMATION: NO: 6532, accession number G02451, Smith-Waterman Score=98.
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)..(2498)
; OTHER INFORMATION: n = a,t,c or g
US-10-450-763-16917

Alignment Scores:
Pred. No.: 5.22e-102 Length: 2498
Score: 112.00 Matches: 191
Percent Similarity: 97.9% Conservative: 0
Best Local Similarity: 97.9% Mismatches: 2
Query Match: 58.0% Indels: 4
DB: 9 Gaps: 0

US-10-030-937-9 (1-193) x US-10-450-763-16917 (1-2498)
Qy 1 MetGlnSerLeuMetGlnAlaProLeuLeuLeuAlaLeuGlyLeuLeuLeuAlaThrPro 20
Db 2440 ATGCAGTCCCTGATGCAGGCTCCCTCCTGATCGCCCTGGGCTTGCTTCTCGGAGCCCT 2381
Qy 21 AlaGlnAlaHisLeuLysProSerGlnLeuSerSerPheSerTrpAspAsnCysPhe 40
Db 2380 GCGCAAGCCACCTGAAAGCCATCCAGCTCAGTAGCTTTTCTCTGGGATACTGTGA- 2322
Qy 41 -GluGlyLysAspProAlaValIleArgSerLeuThrLeuGluProAspProIleValVa 60
Db 2321 TGAAGGAAAGGAGCCCTCGGCTGATCAGAAAGCCATCTCTGGAGCCTGACCCCATCTCGT 2262
Qy 60 lProGlyAsnValThrLeuSerValValGlySerThrSerValProLeuSerSerProLe 80
Db 2261 TCCTGAAATGTGACCTCAGTCTCGTGGGAGCAGCAGGTGCCCCCTGAGTTCTCTCTCT 2202
```


| | | | |
|----|------|---|------|
| Qy | 80 | uLysValAspLeuValLeuGluIysGluValAlaGlyLeuTrpIleLysIleProCysTh | 100 |
| Db | 2201 | GAAGGTGGATTTAGTTTTGGAGAAGGAGGTGGCTTCGGATCAAGATCCATGCAC | 2142 |
| Qy | 100 | rAspTyrIleGlySerCysThrPheGluHisPheCysAspValLeuAspMetLeuIlePr | 120 |
| Db | 2141 | AGACTACATTTGGCAGCTGTACCTTTGAACACTTCTGTGATGTGCTTGACATGTAATTC | 2082 |
| Qy | 120 | oThrGlyGluProCysProGluProLeuAspGThrTyrGlyLeuProCysHisCysProPh | 140 |
| Db | 2081 | TACTGGGGAGCCCTGCCAGAGCCCTTGCGTACTATGGGCTTCCTTGGCCACTGTCCCTT | 2022 |
| Qy | 140 | eLysGluGlyThrTyrSerLeuProLysSerGluPheAla-ValProAspLeuGluLeuP | 160 |
| Db | 2021 | CAAAGAGGAACCTTACTCACTGCCAAGACGGAATTCGT-TGTGGCTGACCTGGAGCTGC | 1963 |
| Qy | 160 | roSerTrpLeuThrThrGlyAsnTyrArgIleGluSerValLeuSerSerSerGlyLysA | 180 |
| Db | 1962 | CCAGTTGGCTCACCCACCGGGAATACCGCATAGAGCGTCTTGAGCAGCAGTGGGAAGC | 1903 |
| Qy | 180 | rgLeuGlyCysIleLysIleAlaLysSerLeuIysGlyIle | 193 |
| Db | 1902 | GTCTGGGCTGCATCAAGATCGCTGCCTCTCTAAAGGGCATTA | 1862 |

RESULT 10

```

US-10-723-860-5187
; Sequence 5187, Application US/10723860
; Publication No. US20040253606A1
; GENERAL INFORMATION:
; APPLICANT: Aziz, Natasha
; APPLICANT: Ginsburg, Wendy M.
; APPLICANT: Zlotnik, Albert
; TITLE OF INVENTION: Methods of Diagnosis of Soft Tissue Sarcoma, Compositions &
; TITLE OF INVENTION: Methods for Screening for Soft Tissue Sarcoma Modulators
; FILE REFERENCE: 05882.0193.NPUS01
; CURRENT APPLICATION NUMBER: US/10/723,860
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: 60/429,739
; PRIOR FILING DATE: 2002-11-26
; NUMBER OF SEQ ID NOS: 8393
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 5187
; LENGTH: 3988
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (2864)..(2894)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (3472)..(3486)
; OTHER INFORMATION: n is a, c, g, or t
US-10-723-860-5187

```

| | | |
|------------------------|-----------|-----------------|
| Alignment Scores: | | |
| Pred. No.: | 7.97e-102 | 3988 |
| Score: | 112.00 | Matches: 152 |
| Percent Similarity: | 98.7% | Conservative: 0 |
| Best Local Similarity: | 98.7% | Mismatches: 1 |
| Query Match: | 58.0% | Indels: 2 |
| DB: | 8 | Gaps: 0 |

US-10-030-937-9 (1-193) x US-10-723-860-5187 (1-3988)

| | | |
|-----|--|-----|
| 41 | GluGlyIysAspProAlaValIleArgSerLeuThrLeuGluProAspProIleVal | 60 |
| 216 | GAAAGGAGGACCCCTGCCGTGATCAGAACCTGACTCTGGAGCCCTGACCCCATCGTCGT | 275 |
| 61 | ProGlyAsnValThrLeuSerValValGlySerThrSerValProLeuSerSerProLeu | 80 |
| 276 | CCTGGAAATGTGACCCCTCAGTGTGCTGGGAGACCAAGTGTCCCTCAGTCTCCTCTG | 335 |

| | | | |
|----|-----|--|-----|
| Qy | 81 | LysValAspLeuValLeuGluIysGluValAlaGlyLeuTrpIleLysIleProCysThr | 100 |
| Db | 336 | AAGGTGATTTAGTTTTTGAGAGGAGGTGGCTCTGGATCAAGATCCCATGCACA | 395 |
| Qy | 101 | AspTyrIleGlySerCysThrPheGluHisPheCysAspValLeuAspMetLeuIlePro | 120 |
| Db | 396 | GACTACATTGGCAGCTGTACTTTTGAACACTTCTGTGTGCTGTGCATTGTAATTCCT | 455 |
| Qy | 121 | ThrGluGluProCysProGluProLeuArgThrTyrGlyLeuProCysHisCysProPhe | 140 |
| Db | 456 | ACTGGGAGCCCTGCCACAGACCCCTCGCTACTATGGGCTTCTTGCCACATGTCCTCTTC | 515 |
| Qy | 141 | LysGluGlyThrTyrSerLeuProLysSerGluPheAla - ValProAspLeuGluLeuPr | 160 |
| Db | 516 | AAAGAGGAACCTACTCACTGCCACAGAGGAATTTCGT - TGTGCTTGACCTGGAGCTGCC | 574 |
| Qy | 160 | oSerTrpLeuThrThrGlyAsnTyrArgIleGluSerValLeuSerSerSerGlyLysAr | 180 |
| Db | 575 | CAGTTGGCTCACCAACGGGAACCTACCGCATAGAGAGCGTCTCTGAGCAGCAGTGGGAAGCG | 634 |
| Qy | 180 | gLeuGlyCysIleLysIleAlaAlaSerLeuIysGlyIle | 193 |
| Db | 635 | TCTGGGCTGCATCAAGATCGCTGCCCTCTCTAAAGGGCATA | 674 |

RESULT 11

```

RES001.11
US-10-450-763-708
; Sequence 708, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 708
; LENGTH: 546
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SIMILAR
; LOCATION: (2)..(310)
; OTHER INFORMATION: 100% homologous to Homo sapiens GM2-activator
; OTHER INFORMATION: protein,accession number X61094,Smith-Waterman
US-10-450-763-708
Score=557.

```

| Alignment Scores: | |
|------------------------|----------|
| Pred. No.: | 1.55e-90 |
| Score: | 100.00 |
| Percent Similarity: | 100.0% |
| Best Local Similarity: | 100.0% |
| Query Match: | 51.8% |
| DB: | 9 |
| Length: | 546 |
| Matches: | 100 |
| Conservative: | 0 |
| Mismatches: | 0 |
| Indels: | 0 |
| Gaps: | 0 |

US-10-030-937-9 (1-193) x US-10-450-763-708 (1-546)

| | | | |
|----|----|---|-----|
| Qy | 43 | LysaspProAlaValIleAArgSerLeuThrLeuGluProAspProIleValValProGly | 62 |
| Db | 2 | AAGAGCCCTGCGGTATCAGAAAGCCTGACTCTGGAGCCTGACCCCATGCTGTTCTCTGA | 61 |
| Qy | 63 | AsnValThrLeuSerValValGlySerThrSerValProLeuSerSerProLeuLysVal | 82 |
| Db | 62 | AATGTGACCCCTCAGTGTCTGGGAGCAGCACCATGTGCTCCCTGAGTCTCTCTGAAGGTG | 121 |
| Qy | 83 | AspLeuValLeuGluLysGluValAlaGlyLeuTrpIleLysIleProCysThrAspTyr | 102 |

```
Db      122  GATTATTGAGAGGAGGTGGCTCTGGATCAAGATCCCATGCACAGACTAC 181
QY      103  IleGlySerCysThrPheGluHisPheCysAspValIleuAspMetLeulleProThrGly 122
Db      182  AITGGCAGCTGTACCTTTGNACACTCTCTGTGATGCTTGACATGTAATTCCTACTGGG 241
QY      123  GluProCysProGluProLeuArgThrTyrGlyLeuProCysHisCysPropheLysGlu 142
Db      242  GAGCCCTGCCAGAGCCCTGCGTACTATGGGCTTCCTTGGCCACTGTCCCTTCAAAGAA 301
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RESULT 12

```
US-09-864-761-1518/c
; Sequence 1518, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: Aeomica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
```

```
SEQ ID NO 1518
; LENGTH: 475
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC011342.1
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 11
; OTHER INFORMATION: EXPRESSED IN HEL100, SIGNAL = 2.3
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.5
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.9
```

```
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.9
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.5
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 2.2
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.7
; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 1.9
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.99
US-09-864-761-1518
```

Alignment Scores:

| | | | |
|------------------------|----------|---------------|-----|
| Pred. No.: | 2,27e-51 | Length: | 475 |
| Score: | 61.00 | Matches: | 61 |
| Percent Similarity: | 100.0% | Conservative: | 0 |
| Best Local Similarity: | 100.0% | Mismatches: | 0 |
| Query Match: | 31.6% | Indels: | 0 |
| DB: | 3 | Gaps: | 0 |

US-10-030-937-9 (1-193) x US-09-864-761-1518 (1-475)

| | | | |
|----|-----|---|-----|
| QY | 82 | ValAspLeuValIleuGluLysGluValAlaGlyLeuTrpIleLysIleProCysThrAsp | 101 |
| Db | 465 | GTGGATTAGTTTGGAGAGGAGGTGGCTCTGGATCAAGATCCCATGCACAGAC | 406 |
| QY | 102 | TyrIleGlySerCysThrPheGluHisPheCysAspValIleuAspMetLeulleProThr | 121 |
| Db | 405 | TACATTGGCAGCTGTACCTTTGAACACTTCTGTGATGCTTGACATGTTAATTCCTACT | 346 |
| QY | 122 | GlyGluProCysProGluProLeuArgThrTyrGlyLeuProCysHisCysPropheLys | 141 |
| Db | 345 | GGGAGCCCTGCCAGAGCCCTGCGTACTATGGGCTTCCTTGGCCACTGTCCCTTCAAA | 286 |
| QY | 142 | Glu 142 | |
| Db | 285 | GAA 283 | |

RESULT 13

```
US-09-864-761-18277/c
; Sequence 18277, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: Aeomica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
```

```

; CURRENT FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: 60/237,271
; PRIOR FILING DATE: 2000-02-10
; NUMBER OF SEQ ID NOS: 4494
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4215
; LENGTH: 448
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 241, 277, 288, 295, 299, 300, 304, 310, 316, 343, 346, 356,
; LOCATION: 364, 370, 396, 397, 406, 410, 415, 424, 437
; OTHER INFORMATION: n = A,T,C or G
US-09-969-034-4215

Alignment Scores:
Pred. No.: 2,83e-30 Length: 448
Score: 40.00 Matches: 40
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 20.7% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-969-034-4215 (1-448)
Qy 154 ValproAspLeuGlulLeuProSerTrpLeuThrGlyAsnTyrArgIleGluSerVal 173
Db 70 GTGCTTGACTGGAGCTGCCAGTTGGCTCACCACCGGAACCTACCGCATAGAGCGTC 129
Qy 174 LeuSerSerGlyLysArgIleGlyCysIleLeuAlaSerLeuGlyIle 193
Db 130 CTGACGACAGTGGGAAGGCTGTGGCTGCATCAAGATCGCTGCCTCTCTAAAGGGCATA 189

RESULT 15
US-10-225-810-26/c
; Sequence 26, Application US/10225810
; Publication No. US20030157512A1
; GENERAL INFORMATION:
; APPLICANT: Bermingham, Jr., John R.
; TITLE OF INVENTION: Tramdorins and Methods of Using Tramdorin
; FILE REFERENCE: McLaugh-07165
; CURRENT APPLICATION NUMBER: US/10/225,810
; CURRENT FILING DATE: 2002-08-21
; NUMBER OF SEQ ID NOS: 76
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 26
; LENGTH: 250000
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (33774)..(33774)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (42953)..(43052)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (45557)..(45656)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (48203)..(48302)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (49551)..(49650)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (51561)..(51660)

; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 18277
; LENGTH: 145
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC011342.1
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 11
; OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 2.3
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.5
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.9
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.9
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.5
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 2.2
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.7
; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 1.9
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.99
; OTHER INFORMATION: EST. HUMAN HIT: BE182886.1, EVALUE 2.00e-76
; OTHER INFORMATION: SWISSPROT HIT: P17900, EVALUE 7.00e-25
; OTHER INFORMATION: NT HIT: X16087.1, EVALUE 2.00e-76
US-09-864-761-18277

Alignment Scores:
Pred. No.: 9,23e-39 Length: 145
Score: 48.00 Matches: 48
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 24.9% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-864-761-18277 (1-145)
Qy 82 ValAspLeuValLeuGluLysGluValAlaGlyLeuTrpIleLysIleProCysThrAsp 101
Db 145 GTGATTAGTTTGGAGAGAGAGGTGGCTGGCTCTGGATCAAGATCCCATCCACACAC 86
Qy 102 TyrIleGlySerCysThrPheGluHisPheCysAspValLeuAspMetLeuIleProThr 121
Db 85 TACATTGGCAGCTGTACCTTTGAACACTTCTGTGATGTGCTTGACATGTTAATTCCTACT 26
Qy 122 GlyGluProCysProGluProLeu 129
Db 25 GGGGAGCCCTGGCCAGAGCCCTG 2

RESULT 14
US-09-969-034-4215
; Sequence 4215, Application US/09969034
; Publication No. US20040110668A1
; GENERAL INFORMATION:
; APPLICANT: Burgess, Christopher C.
; APPLICANT: Astle, Jon H.
; APPLICANT: Carroll, Eddie III
; APPLICANT: Catino, Theodore J.
; APPLICANT: Dwivedi, Poornima
; APPLICANT: Molino, Gary A.
; APPLICANT: Thiagalingam, Arunthathi
; APPLICANT: Lewis, Marcia E.
; TITLE OF INVENTION: Nucleic Acid Sequences Differentially
; TITLE OF INVENTION: Expressed in Cancer Tissue
; FILE REFERENCE: 1657/1032
; CURRENT APPLICATION NUMBER: US/09/969,034

```

```

; CURRENT FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: 60/237,271
; PRIOR FILING DATE: 2000-02-10
; NUMBER OF SEQ ID NOS: 4494
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4215
; LENGTH: 448
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 241, 277, 288, 295, 299, 300, 304, 310, 316, 343, 346, 356,
; LOCATION: 364, 370, 396, 397, 406, 410, 415, 424, 437
; OTHER INFORMATION: n = A,T,C or G
US-09-969-034-4215

Alignment Scores:
Pred. No.: 2,83e-30 Length: 448
Score: 40.00 Matches: 40
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 20.7% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-969-034-4215 (1-448)
Qy 154 ValproAspLeuGlulLeuProSerTrpLeuThrGlyAsnTyrArgIleGluSerVal 173
Db 70 GTGCTGACCTGGAGCTGCCAGTTGGCTCACCACCGGAACCTACCGCATAGAGCGTC 129
Qy 174 LeuSerSerGlyLysArgIleGlyCysIleLeuAlaSerLeuGlyIle 193
Db 130 CTGACGACGAGTGGGAAGGCTGTGGCTGCATCAAGATCGCTGCCTCTCTAAAGGGCATA 189

RESULT 15
US-10-225-810-26/c
; Sequence 26, Application US/10225810
; Publication No. US20030157512A1
; GENERAL INFORMATION:
; APPLICANT: Bermingham, Jr., John R.
; TITLE OF INVENTION: Tramdorins and Methods of Using Tramdorin
; FILE REFERENCE: McLaugh-07165
; CURRENT APPLICATION NUMBER: US/10/225,810
; CURRENT FILING DATE: 2002-08-21
; NUMBER OF SEQ ID NOS: 76
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 26
; LENGTH: 250000
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (33774)..(33774)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (42953)..(43052)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (45557)..(45656)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (48203)..(48302)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (49551)..(49650)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (51561)..(51660)

; CURRENT FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 18277
; LENGTH: 145
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC011342.1
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 11
; OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 2.3
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.5
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.9
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.9
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.5
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 2.2
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.7
; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 1.9
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.99
; OTHER INFORMATION: EST. HUMAN HIT: BE182886.1, EVALUE 2.00e-76
; OTHER INFORMATION: SWISSPROT HIT: P17900, EVALUE 7.00e-25
; OTHER INFORMATION: NT HIT: X16087.1, EVALUE 2.00e-76
US-09-864-761-18277

Alignment Scores:
Pred. No.: 9,23e-39 Length: 145
Score: 48.00 Matches: 48
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 24.9% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-864-761-18277 (1-145)
Qy 82 ValAspLeuValLeuGluLysGluValAlaGlyLeuTrpIleLysIleProCysThrAsp 101
Db 145 GTGATTAGTTTGGAGAGAGAGGTGGCTGGCTCTGGATCAAGATCCCATCCACACAC 86
Qy 102 TyrIleGlySerCysThrPheGluHisPheCysAspValLeuAspMetLeuIleProThr 121
Db 85 TACATTGGCAGCTGTACCTTTGAACACTTCTGTGATGTGCTTGACATGTTAATTCCTACT 26
Qy 122 GlyGluProCysProGluProLeu 129
Db 25 GGGGAGCCCTGGCCAGAGCCCTG 2

RESULT 14
US-09-969-034-4215
; Sequence 4215, Application US/09969034
; Publication No. US20040110668A1
; GENERAL INFORMATION:
; APPLICANT: Burgess, Christopher C.
; APPLICANT: Astle, Jon H.
; APPLICANT: Carroll, Eddie III
; APPLICANT: Catino, Theodore J.
; APPLICANT: Dwivedi, Poornima
; APPLICANT: Molino, Gary A.
; APPLICANT: Thiagalingam, Arunthathi
; APPLICANT: Lewis, Marcia E.
; TITLE OF INVENTION: Nucleic Acid Sequences Differentially
; TITLE OF INVENTION: Expressed in Cancer Tissue
; FILE REFERENCE: 1657/1032
; CURRENT APPLICATION NUMBER: US/09/969,034

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/ OTHER INFORMATION: n is a, c, g, or t
/ FEATURE:
/ NAME/KEY: misc feature
/ LOCATION: (52722)..(52821)
/ OTHER INFORMATION: n is a, c, g, or t
/ FEATURE:
/ NAME/KEY: misc feature
/ LOCATION: (53864)..(53963)
/ OTHER INFORMATION: n is a, c, g, or t
/ FEATURE:
/ NAME/KEY: misc feature
/ LOCATION: (55290)..(55389)
/ OTHER INFORMATION: n is a, c, g, or t
/ FEATURE:
/ NAME/KEY: misc feature
/ LOCATION: (56674)..(56773)
/ OTHER INFORMATION: n is a, c, g, or t
/ FEATURE:
/ NAME/KEY: misc feature
/ LOCATION: (57879)..(57978)
/ OTHER INFORMATION: n is a, c, g, or t
/ FEATURE:
/ NAME/KEY: misc feature
/ LOCATION: (78952)..(79051)
/ OTHER INFORMATION: n is a, c, g, or t
/ FEATURE:
/ NAME/KEY: misc feature
/ LOCATION: (85316)..(85415)
/ OTHER INFORMATION: n is a, c, g, or t
US-10-225-810-26
```

```
Alignment Scores:
Pred. No.: 8,51e-28 Length: 250000
Score: 40.00 Matches: 40
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 20.7% Indels: 0
DB: 6 Gaps: 0
```

US-10-030-937-9 (1-193) x US-10-225-810-26 (1-250000)

```
QY 154 ValProAspLeuLeuProSerTrpLeuThrThrGlyAsnTyArgIleGluSerVal 173
DB 249596 GTGCCGTGACCTGGAGTGGCCAGTTCGCTCACCACCGGAACCTACCGCATAGAGCGTC 249537
QY 174 LeuSerSerGlyLysArgLeuGlyCysIleLysIleAlaAlaSerLeuLysGlyIle 193
DB 249536 CTGAGCAGCAGTGGGAGCGCTGGGCTGCATCAGATCGCTGCTCTTAAGGGCATA 249477
```

RESULT 16

```
US-10-027-632-207798
/ Sequence 207798, Application US/10027632
/ Publication No. US20020198371A1
/ GENERAL INFORMATION:
```

/ APPLICANT: Wang, David G.

/ TITLE OF INVENTION: Identification and Mapping of Single Nucleotide

/ FILE REFERENCE: Polymorphisms in the Human Genome

/ CURRENT APPLICATION NUMBER: US/10/027,632

/ PRIOR FILING DATE: 2002-04-30

/ PRIOR APPLICATION NUMBER: US 60/218,006

/ PRIOR FILING DATE: 2000-07-12

/ PRIOR APPLICATION NUMBER: US 60/198,676

/ PRIOR FILING DATE: 2000-04-20

/ PRIOR APPLICATION NUMBER: US 60/193,483

/ PRIOR FILING DATE: 2000-03-29

/ PRIOR APPLICATION NUMBER: US 60/185,218

/ PRIOR FILING DATE: 2000-02-24

/ PRIOR APPLICATION NUMBER: US 60/167,363

/ PRIOR FILING DATE: 1999-11-23

/ PRIOR APPLICATION NUMBER: US 60/156,358

/ PRIOR FILING DATE: 1999-09-28

/ PRIOR APPLICATION NUMBER: US 60/146,002

/

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/ PRIOR FILING DATE: 1999-08-09
/ NUMBER OF SEQ ID NOS: 325720
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 207798
/ LENGTH: 546
/ TYPE: DNA
/ ORGANISM: Human
US-10-027-632-207798
```

Alignment Scores:

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Pred. No.: 4,51e-08 Length: 546
Score: 18.00 Matches: 18
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 9.3% Indels: 0
DB: 5 Gaps: 0
```

US-10-030-937-9 (1-193) x US-10-027-632-207798 (1-546)

```
QY 41 GluGlyLysAspProAlaValIleArgSerLeuThrLeuGluProAspProIle 58
DB 297 GAAGGAGAGGACCTGCGGTGATCAGAGCGCTGACTCTGGAGCCTGACCCCATC 350
```

RESULT 17

```
US-10-027-632-207799
/ Sequence 207799, Application US/10027632
/ Publication No. US20020198371A1
/ GENERAL INFORMATION:
```

/ APPLICANT: Wang, David G.

/ TITLE OF INVENTION: Identification and Mapping of Single Nucleotide

/ FILE REFERENCE: Polymorphisms in the Human Genome

/ CURRENT APPLICATION NUMBER: US/10/027,632

/ PRIOR FILING DATE: 2002-04-30

/ PRIOR APPLICATION NUMBER: US 60/218,006

/ PRIOR FILING DATE: 2000-07-12

/ PRIOR APPLICATION NUMBER: US 60/198,676

/ PRIOR FILING DATE: 2000-04-20

/ PRIOR APPLICATION NUMBER: US 60/193,483

/ PRIOR FILING DATE: 2000-03-29

/ PRIOR APPLICATION NUMBER: US 60/185,218

/ PRIOR FILING DATE: 2000-02-24

/ PRIOR APPLICATION NUMBER: US 60/167,363

/ PRIOR FILING DATE: 1999-11-23

/ PRIOR APPLICATION NUMBER: US 60/156,358

/ PRIOR FILING DATE: 1999-09-28

/ PRIOR APPLICATION NUMBER: US 60/146,002

/ PRIOR FILING DATE: 1999-08-09

/ NUMBER OF SEQ ID NOS: 325720

/ SOFTWARE: FastSeq for Windows Version 4.0

/ SEQ ID NO 207799

/ LENGTH: 546

/ TYPE: DNA

/ ORGANISM: Human

US-10-027-632-207799

Alignment Scores:

```
Pred. No.: 4,51e-08 Length: 546
Score: 18.00 Matches: 18
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 9.3% Indels: 0
DB: 5 Gaps: 0
```

US-10-030-937-9 (1-193) x US-10-027-632-207799 (1-546)

```
QY 41 GluGlyLysAspProAlaValIleArgSerLeuThrLeuGluProAspProIle 58
DB 297 GAAGGAGAGGACCTGCGGTGATCAGAGCGCTGACTCTGGAGCCTGACCCCATC 350
```

RESULT 18

US-10-027-632-207800

/ Sequence 207800, Application US/10027632

/

```
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 207800
; TYPE: DNA
; LENGTH: 546
; ORGANISM: Human
US-10-027-632-207800

Alignment Scores:
Pred. No.: 4.51e-08 Length: 546
Score: 18.00 Matches: 18
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 9.3% Indels: 0
DB: 5 Gaps: 0

US-10-030-937-9 (1-193) x US-10-027-632-207800 (1-546)
Qy 41 GlucLyAspProAlaValIleArgSerLeuThrLeuGluProAspProIle 58
Db 297 GAAGGGAAGGACCTCGGTGATCAGAAGCCTGACTCTGGAGCCTGACCCATC 350

RESULT 19
US-10-027-632-207801
; Sequence 207801, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 207801
; TYPE: DNA
; LENGTH: 546
; ORGANISM: Human
US-10-027-632-207798

Alignment Scores:
Pred. No.: 4.51e-08 Length: 546
Score: 18.00 Matches: 18
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 9.3% Indels: 0
DB: 6 Gaps: 0

US-10-030-937-9 (1-193) x US-10-027-632-207798 (1-546)
Qy 41 GlucLyAspProAlaValIleArgSerLeuThrLeuGluProAspProIle 58
Db 297 GAAGGGAAGGACCTCGGTGATCAGAAGCCTGACTCTGGAGCCTGACCCATC 350

RESULT 21
US-10-027-632-207799
; Sequence 207799, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE OF INVENTION: Polymorphisms in the Human Genome
```

```

; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 207799
; LENGTH: 546
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-207799
```

```

Alignment Scores:
Pred. No.: 4,51e-08 Length: 546
Score: 18.00 Matches: 18
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 9.3% Indels: 0
DB: Gaps: 0
```

US-10-030-937-9 (1-193) x US-10-027-632-207799 (1-546)

```

QY 41 GluGlyAspProAlaValIleArgSerLeuThrLeuGluProAspProfile 58
|||||
DB 297 GAAGGGAAGGACCTCGGTGATCAGAGCCTGACTCTGGAGCCTGACCCCATC 350
```

```

RESULT 22
US-10-027-632-207800
; Sequence 207800, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 207800
; LENGTH: 546
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-207800
, Alignment Scores:
```

```

Pred. No.: 4,51e-08 Length: 546
Score: 18.00 Matches: 18
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 9.3% Indels: 0
DB: Gaps: 0
```

US-10-030-937-9 (1-193) x US-10-027-632-207800 (1-546)

```

QY 41 GluGlyAspProAlaValIleArgSerLeuThrLeuGluProAspProfile 58
|||||
DB 297 GAAGGGAAGGACCTCGGTGATCAGAGCCTGACTCTGGAGCCTGACCCCATC 350
```

```

RESULT 23
US-10-027-632-207801
; Sequence 207801, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 207801
; LENGTH: 546
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-207801
, Alignment Scores:
Pred. No.: 4,51e-08 Length: 546
Score: 18.00 Matches: 18
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 9.3% Indels: 0
DB: Gaps: 0

US-10-030-937-9 (1-193) x US-10-027-632-207801 (1-546)
QY 41 GluGlyAspProAlaValIleArgSerLeuThrLeuGluProAspProfile 58
|||||
DB 297 GAAGGGAAGGACCTCGGTGATCAGAGCCTGACTCTGGAGCCTGACCCCATC 350

RESULT 24
US-10-388-934-167
; Sequence 167, Application US/10388934
; Publication No. US20040005547A1
; GENERAL INFORMATION:
; APPLICANT: Boess, Franziska
; APPLICANT: Suter-Dick, Laura
; APPLICANT: Wolf, Detlef
; TITLE OF INVENTION: BIOMARKERS AND EXPRESSION PROFILES FOR TOXICOLOGY
; FILE REFERENCE: 21199
; CURRENT APPLICATION NUMBER: US/10/388,934
; CURRENT FILING DATE: 2003-03-14
; PRIOR APPLICATION NUMBER: 02005336.9
```

; PRIOR FILING DATE: 2002-03-14
 ; PRIOR APPLICATION NUMBER: 02015657.6
 ; PRIOR FILING DATE: 2002-07-17
 ; NUMBER OF SEQ ID NOS: 862
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 167
 ; LENGTH: 1983
 ; TYPE: DNA
 ; ORGANISM: Rattus sp.
 US-10-388-934-167

 Alignment Scores:
 Pred. No.: 1,44e-07 Length: 1983
 Score: 18.00 Matches: 18
 Percent Similarity: 100.0% Conservative: 0
 Best Local Similarity: 100.0% Mismatches: 0
 Query Match: 9.3% Indels: 0
 DB: 6 Gaps: 0

 US-10-030-937-9 (1-193) x US-10-388-934-167 (1-1983)

 QY 131 ThrTyrGlyLeuProCysHisCysProPheLysGluGlyThrTyrSerLeuPro 148
 |||||
 Db 420 ACTACGGGCTGCCCTGCGCATTTCTCTTCAAGGAAGGACCTACTACTGCGCT 473

 RESULT 25
 US-10-450-763-710
 ; Sequence 710, Application US/10450763
 ; Publication No. US20050196754A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Hyseq, Inc
 ; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
 ; FILE REFERENCE: 790CIP3/US
 ; CURRENT APPLICATION NUMBER: US/10/450,763
 ; CURRENT FILING DATE: 2003-06-11
 ; PRIOR APPLICATION NUMBER: PCT/US01/08631
 ; PRIOR FILING DATE: 2001-03-30
 ; PRIOR APPLICATION NUMBER: 09/540,217
 ; PRIOR FILING DATE: 2000-03-31
 ; PRIOR APPLICATION NUMBER: 09/649,167
 ; PRIOR FILING DATE: 2000-08-23
 ; NUMBER OF SEQ ID NOS: 60736
 ; SOFTWARE: Custom
 ; SEQ ID NO 710
 ; LENGTH: 468
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: SIMILAR
 ; LOCATION: (88)..(258)
 ; OTHER INFORMATION: 44% homologous to Homo sapiens GM2-activator
 ; OTHER INFORMATION: protein, accession number X61094, Smith-Waterman Score=115.
 US-10-450-763-710

 Alignment Scores:
 Pred. No.: 4.03e-06 Length: 468
 Score: 16.00 Matches: 47
 Percent Similarity: 95.9% Conservative: 0
 Best Local Similarity: 95.9% Mismatches: 2
 Query Match: 9.3% Indels: 2
 DB: 9 Gaps: 0

 US-10-030-937-9 (1-193) x US-10-450-763-710 (1-468)

 QY 86 LeuGluLysGluValAlaGlyLeuTrpIleLysPheProCysThrAspTyrIleGlySer 105
 |||||
 Db 88 TTGGAGAAGGAGGTGGCTGCGCTCTGGATCAAGATCCCATGCCACACAC-ATTGGCAGC 146

 QY 106 CysThrPheGluHisPheCysAspValLeuAspMetLeuIleProThrGlyGluProCys 125
 |||||
 Db 147 TGTACCTTTGAACACTTCTGTGATGTGTGACATGTT-ATTCTACTGGGGAGCCCTGC 205

 QY 126 ProGluProLeuAraThrTyrGlyLeu 134

; PRIOR FILING DATE: 2002-03-14
 ; PRIOR APPLICATION NUMBER: 02015657.6
 ; PRIOR FILING DATE: 2002-07-17
 ; NUMBER OF SEQ ID NOS: 862
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 167
 ; LENGTH: 1983
 ; TYPE: DNA
 ; ORGANISM: Rattus sp.
 US-10-388-934-167

Alignment Scores:
 Pred. No.: 1,44e-07 Length: 1983
 Score: 18.00 Matches: 18
 Percent Similarity: 100.0% Conservative: 0
 Best Local Similarity: 100.0% Mismatches: 0
 Query Match: 9.3% Indels: 0
 DB: 6 Gaps: 0

US-10-030-937-9 (1-193) x US-10-388-934-167 (1-1983)
 QY 131 ThrTyrGlyLeuProCysHisCysProPheLysGluGlyThrTyrSerLeuPro 148
 |||||
 Db 420 ACTACGGGCTGCCCTGCGCATTTCTCTTCAAGGAAGGACCTACTACTGCGCT 473

RESULT 25
 US-10-450-763-710
 ; Sequence 710, Application US/10450763
 ; Publication No. US20050196754A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Hyseq, Inc
 ; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
 ; FILE REFERENCE: 790CIP3/US
 ; CURRENT APPLICATION NUMBER: US/10/450,763
 ; CURRENT FILING DATE: 2003-06-11
 ; PRIOR APPLICATION NUMBER: PCT/US01/08631
 ; PRIOR FILING DATE: 2001-03-30
 ; PRIOR APPLICATION NUMBER: 09/540,217
 ; PRIOR FILING DATE: 2000-03-31
 ; PRIOR APPLICATION NUMBER: 09/649,167
 ; PRIOR FILING DATE: 2000-08-23
 ; NUMBER OF SEQ ID NOS: 60736
 ; SOFTWARE: Custom
 ; SEQ ID NO 710
 ; LENGTH: 468
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: SIMILAR
 ; LOCATION: (88)..(258)
 ; OTHER INFORMATION: 44% homologous to Homo sapiens GM2-activator
 ; OTHER INFORMATION: protein, accession number X61094, Smith-Waterman Score=115.
 US-10-450-763-710

Alignment Scores:
 Pred. No.: 4.03e-06 Length: 468
 Score: 16.00 Matches: 47
 Percent Similarity: 95.9% Conservative: 0
 Best Local Similarity: 95.9% Mismatches: 2
 Query Match: 9.3% Indels: 2
 DB: 9 Gaps: 0

US-10-030-937-9 (1-193) x US-10-450-763-710 (1-468)
 QY 86 LeuGluLysGluValAlaGlyLeuTrpIleLysPheProCysThrAspTyrIleGlySer 105
 |||||
 Db 88 TTGGAGAAGGAGGTGGCTGCGCTCTGGATCAAGATCCCATGCCACACAC-ATTGGCAGC 146

QY 106 CysThrPheGluHisPheCysAspValLeuAspMetLeuIleProThrGlyGluProCys 125
 |||||
 Db 147 TGTACCTTTGAACACTTCTGTGATGTGTGACATGTT-ATTCTACTGGGGAGCCCTGC 205

QY 126 ProGluProLeuAraThrTyrGlyLeu 134

Db 206 CCAGAGCCCTGCGTACCTATGGGCTT 232

RESULT 26
 US-10-450-763-20108/c
 ; Sequence 20108, Application US/10450763
 ; Publication No. US20050196754A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Hyseq, Inc
 ; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
 ; FILE REFERENCE: 790CIP3/US
 ; CURRENT APPLICATION NUMBER: US/10/450,763
 ; CURRENT FILING DATE: 2003-06-11
 ; PRIOR APPLICATION NUMBER: PCT/US01/08631
 ; PRIOR FILING DATE: 2001-03-30
 ; PRIOR APPLICATION NUMBER: 09/540,217
 ; PRIOR FILING DATE: 2000-03-31
 ; PRIOR APPLICATION NUMBER: 09/649,167
 ; PRIOR FILING DATE: 2000-08-23
 ; NUMBER OF SEQ ID NOS: 60736
 ; SOFTWARE: Custom
 ; SEQ ID NO 20108
 ; LENGTH: 1098
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: SIMILAR
 ; LOCATION: (975)..(844)
 ; OTHER INFORMATION: 77% homologous to Mus musculus GM2 activator
 ; OTHER INFORMATION: protein, accession number U09816, Smith-Waterman Score=177.
 US-10-450-763-20108

Alignment Scores:
 Pred. No.: 9.41 Length: 1098
 Score: 10.00 Matches: 10
 Percent Similarity: 100.0% Conservative: 0
 Best Local Similarity: 100.0% Mismatches: 0
 Query Match: 5.2% Indels: 0
 DB: 9 Gaps: 0

US-10-030-937-9 (1-193) x US-10-450-763-20108 (1-1098)
 QY 154 ValProAspLeuGluLeuProSerTrpLeu 163
 |||||
 Db 951 GTGCCTGACCTGGAGTGGCCAGCTGGCTC 922

RESULT 27
 US-09-922-293-2287
 ; Sequence 2287, Application US/09922293
 ; Publication No. US20040123339A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Conner, Timothy W.
 ; APPLICANT: Heck, Gregory R.
 ; APPLICANT: Liu, Jingdong
 ; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with Transcription in Plants
 ; FILE REFERENCE: 16517.254
 ; CURRENT APPLICATION NUMBER: US/09/922,293
 ; CURRENT FILING DATE: 2001-08-06
 ; PRIOR APPLICATION NUMBER: US 60/067,000
 ; PRIOR FILING DATE: 1997-11-24
 ; PRIOR APPLICATION NUMBER: US 60/069,472
 ; PRIOR FILING DATE: 1997-12-09
 ; PRIOR APPLICATION NUMBER: US 60/071,479
 ; PRIOR FILING DATE: 1998-01-13
 ; PRIOR APPLICATION NUMBER: US 60/074,201
 ; PRIOR FILING DATE: 1998-02-10
 ; PRIOR APPLICATION NUMBER: US 60/074,282
 ; PRIOR FILING DATE: 1998-02-10
 ; PRIOR APPLICATION NUMBER: US 60/074,280
 ; PRIOR FILING DATE: 1998-02-10
 ; PRIOR APPLICATION NUMBER: US 60/074,281
 ; PRIOR FILING DATE: 1998-02-10

Pred. No.: 22.2 Length: 218
Score: 9.00 Matches: 9
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.7% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-922-293-2287 (1-218)

Qy 9 LeuLeuLeuAlaLeuGlyLeuLeu 17
|||||
Db 186 TTGTTAATCGCCTTAGGCTTACTGTG 212

RESULT 28

US-10-027-632-202246/c

; Sequence 202246, Application US/10027632

; Publication No. US20020198371A1

; GENERAL INFORMATION:

; APPLICANT: Wang, David G.

; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide

; FILE REFERENCE: 108827.129

; CURRENT APPLICATION NUMBER: US/10/027,632

; PRIOR FILING DATE: 2002-04-30

; PRIOR APPLICATION NUMBER: US 60/218,006

; PRIOR FILING DATE: 2000-07-12

; PRIOR APPLICATION NUMBER: US 60/198,676

; PRIOR FILING DATE: 2000-04-20

; PRIOR APPLICATION NUMBER: US 60/193,483

; PRIOR FILING DATE: 2000-03-29

; PRIOR APPLICATION NUMBER: US 60/185,218

; PRIOR FILING DATE: 2000-02-24

; PRIOR APPLICATION NUMBER: US 60/167,363

; PRIOR FILING DATE: 1999-11-23

; PRIOR APPLICATION NUMBER: US 60/156,358

; PRIOR FILING DATE: 1999-09-28

; PRIOR APPLICATION NUMBER: US 60/146,002

; PRIOR FILING DATE: 1999-08-09

; NUMBER OF SEQ ID NOS: 325720

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 202246

; LENGTH: 455

; TYPE: DNA

; ORGANISM: Human

US-10-027-632-202246

Alignment Scores:

Pred. No.: 43.1 Length: 455
Score: 9.00 Matches: 9
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.7% Indels: 0
DB: 5 Gaps: 0

US-10-030-937-9 (1-193) x US-10-027-632-202246 (1-455)

Qy 14 GlyLeuLeuAlaThrProAlaGln 22
|||||
Db 60 GGCCTTCTCTTAGCCACCCCTGCACAG 34

RESULT 29

US-10-027-632-202246/c

; Sequence 202246, Application US/10027632

; Publication No. US20030204075A9

; GENERAL INFORMATION:

; APPLICANT: Wang, David G.

; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide

; FILE REFERENCE: 108827.129

; CURRENT APPLICATION NUMBER: US/10/027,632

; PRIOR FILING DATE: 2002-04-30

; PRIOR APPLICATION NUMBER: US 60/218,006

; PRIOR FILING DATE: 2000-07-12

; PRIOR APPLICATION NUMBER: US 60/218,006

; PRIOR FILING DATE: 2000-07-12

; PRIOR APPLICATION NUMBER: US 60/218,006

; PRIOR FILING DATE: 2000-07-12

; PRIOR APPLICATION NUMBER: US 60/218,006

; PRIOR FILING DATE: 2000-07-12

; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 202246
; LENGTH: 455
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-202246

Alignment Scores:

Pred. No.: 43.1 Length: 455
Score: 9.00 Matches: 9
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.7% Indels: 0
DB: 6 Gaps: 0

US-10-030-937-9 (1-193) x US-10-027-632-202246 (1-455)

Qy 14 GlyLeuLeuAlaThrProAlaGln 22
|||||
Db 60 GGCCTTCTCTTAGCCACCCCTGCACAG 34

RESULT 30

US-09-925-065A-876995/c

; Sequence 876995, Application US/09925065A

; Publication No. US20050228172A9

; GENERAL INFORMATION:

; APPLICANT: Wang, David G.

; TITLE OF INVENTION: Identification and Mapping of Single

; FILE REFERENCE: 108827.135

; CURRENT APPLICATION NUMBER: US/09/925,065A

; PRIOR FILING DATE: 2001-08-08

; PRIOR APPLICATION NUMBER: US 60/243,096

; PRIOR FILING DATE: 2000-10-24

; PRIOR APPLICATION NUMBER: US 60/252,147

; PRIOR FILING DATE: 2000-11-20

; PRIOR APPLICATION NUMBER: US 60/250,092

; PRIOR FILING DATE: 2000-11-30

; PRIOR APPLICATION NUMBER: US 60/261,766

; PRIOR FILING DATE: 2001-01-16

; PRIOR APPLICATION NUMBER: US 60/289,846

; PRIOR FILING DATE: 2001-05-09

; NUMBER OF SEQ ID NOS: 957086

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 876995

; LENGTH: 615

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-925-065A-876995

Alignment Scores:

Pred. No.: 56.5 Length: 615
Score: 9.00 Matches: 9
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.7% Indels: 0
DB: 4 Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-876995 (1-615)

```
QY      9 LeuLeuIleAlaLeuGlyLeuLeu 17
Db      308 TTACTAATTCGCTAGGTTTACTGCTG 282

RESULT 31
US-09-925-065A-905985/c
; Sequence 905985, Application US/09925065A
; Publication No. US20050228172A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 905985
; LENGTH: 615
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-905985

Alignment Scores:
Pred. No.:      56.5      Length:      615
Score:          9.00      Matches:      9
Percent Similarity: 100.0%      Conservative: 0
Best Local Similarity: 100.0%      Mismatches: 0
Query Match:    4.7%      Indels:      0
DB:             4      Gaps:      0

US-10-030-937-9 (1-193) x US-09-925-065A-905985 (1-615)

QY      9 LeuLeuIleAlaLeuGlyLeuLeu 17
Db      308 TTACTAATTCGCTAGGTTTACTGCTG 282

RESULT 32
US-09-925-065A-877564
; Sequence 877564, Application US/09925065A
; Publication No. US20050228172A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 877564
; LENGTH: 621
; TYPE: DNA
```

```
; ORGANISM: Homo sapiens
US-09-925-065A-877564

Alignment Scores:
Pred. No.:      57      Length:      621
Score:          9.00      Matches:      9
Percent Similarity: 100.0%      Conservative: 0
Best Local Similarity: 100.0%      Mismatches: 0
Query Match:    4.7%      Indels:      0
DB:             4      Gaps:      0

US-10-030-937-9 (1-193) x US-09-925-065A-877564 (1-621)

QY      9 LeuLeuIleAlaLeuGlyLeuLeu 17
Db      309 TTACTAATTCGCTAGGTTTACTGCTG 335

RESULT 33
US-10-425-114-7785
; Sequence 7785, Application US/10425114
; Publication No. US2004003488A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E.
; APPLICANT: Tabaska, Jack E.
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 7785
; LENGTH: 649
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: 700683458_FLI
US-10-425-114-7785

Alignment Scores:
Pred. No.:      59.3      Length:      649
Score:          9.00      Matches:      9
Percent Similarity: 100.0%      Conservative: 0
Best Local Similarity: 100.0%      Mismatches: 0
Query Match:    4.7%      Indels:      0
DB:             7      Gaps:      0

US-10-030-937-9 (1-193) x US-10-425-114-7785 (1-649)

QY      9 LeuLeuIleAlaLeuGlyLeuLeu 17
Db      50 TTGTTAATCGCCCTAGGTTTACTGTTG 76

RESULT 34
US-09-765-272-97
; Sequence 97, Application US/09765272
; Patent No. US20020061545A1
; GENERAL INFORMATION:
; APPLICANT: Choi et. al.
; TITLE OF INVENTION: Streptococcus pneumoniae Antigens and Vaccines
; NUMBER OF SEQUENCES: 452
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
```

COMPUTER: HP Vectra 486/33
OPERATING SYSTEM: MSDOS version 6.2
SOFTWARE: ASCII Text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/765,272
FILING DATE: 22-Jan-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/961,083
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Brookes, A. Anders
REGISTRATION NUMBER: 36,373
REFERENCE/DOCKET NUMBER: PB340P2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (301) 309-8504
TELEFAX: (301) 309-8512
INFORMATION FOR SEQ ID NO: 97:
SEQUENCE CHARACTERISTICS:
LENGTH: 787 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 97:

US-09-765-272-97
Alignment Scores:
Pred. No.: 70.6 Length: 787
Score: 9.00 Matches: 9
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.7% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-765-272-97 (1-787)

Qy 66 LeuSerValValGlySerThrSerVal 74
Db 464 TTGCTGTTGTAGGTTCCACTTCAGTA 490

RESULT 35
US-11-106-649-97
Sequence 97, Application US/11/106649
Publication No. US20050181439A1
GENERAL INFORMATION:
APPLICANT: Choi et al.
TITLE OF INVENTION: Streptococcus pneumoniae Antigens and Vaccines
FILE REFERENCE: PB340P2C3D1
CURRENT APPLICATION NUMBER: US/11/106,649
CURRENT FILING DATE: 2005-04-15
PRIOR APPLICATION NUMBER: US 09/765,271
PRIOR FILING DATE: 2001-01-22
PRIOR APPLICATION NUMBER: US 09/536,784
PRIOR FILING DATE: 2000-03-28
PRIOR APPLICATION NUMBER: US 08/961,083
PRIOR FILING DATE: 1997-10-30
PRIOR APPLICATION NUMBER: US 60/029,960
PRIOR FILING DATE: 1996-10-31
NUMBER OF SEQ ID NOS: 454
SOFTWARE: PatentIn version 3.3
SEQ ID NO 97
LENGTH: 787
TYPE: DNA
ORGANISM: Streptococcus pneumoniae

US-11-106-649-97
Alignment Scores:
Pred. No.: 70.6 Length: 787
Score: 9.00 Matches: 9
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.7% Indels: 0
DB: 10 Gaps: 0

US-10-030-937-9 (1-193) x US-11-106-649-97 (1-787)

Qy 66 LeuSerValValGlySerThrSerVal 74
Db 464 TTGCTGTTGTAGGTTCCACTTCAGTA 490

RESULT 36
US-09-765-272-205
Sequence 205, Application US/09765272
Patent No. US20020061545A1
GENERAL INFORMATION:
APPLICANT: Choi et. al.
TITLE OF INVENTION: Streptococcus pneumoniae Antigens and Vaccines
NUMBER OF SEQUENCES: 452
CORRESPONDENCE ADDRESS:
ADDRESSEE: Human Genome Sciences, Inc.
STREET: 9410 Key West Avenue
CITY: Rockville
STATE: Maryland
COUNTRY: USA
ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
COMPUTER: HP Vectra 486/33
OPERATING SYSTEM: MSDOS version 6.2
SOFTWARE: ASCII Text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/765,272
FILING DATE: 22-Jan-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/961,083
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Brookes, A. Anders
REGISTRATION NUMBER: 36,373
REFERENCE/DOCKET NUMBER: PB340P2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (301) 309-8504
TELEFAX: (301) 309-8512
INFORMATION FOR SEQ ID NO: 205:
SEQUENCE CHARACTERISTICS:
LENGTH: 811 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 205:

US-09-765-272-205
Alignment Scores:
Pred. No.: 72.5 Length: 811
Score: 9.00 Matches: 9
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.7% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-765-272-205 (1-811)

Qy 66 LeuSerValValGlySerThrSerVal 74
Db 488 TTGCTGTTGTAGGTTCCACTTCAGTA 514

RESULT 37
US-11-106-649-205
Sequence 205, Application US/11106649
Publication No. US20050181439A1
GENERAL INFORMATION:
APPLICANT: Choi et.
TITLE OF INVENTION: Streptococcus pneumoniae Antigens and Vaccines
FILE REFERENCE: PB340P2C3D1
CURRENT APPLICATION NUMBER: US/11/106,649

; CURRENT FILING DATE: 2005-04-15
; PRIOR APPLICATION NUMBER: US 09/765,271
; PRIOR FILING DATE: 2001-01-22
; PRIOR APPLICATION NUMBER: US 09/536,784
; PRIOR FILING DATE: 2000-03-28
; PRIOR APPLICATION NUMBER: US 08/961,083
; PRIOR FILING DATE: 1997-10-30
; PRIOR APPLICATION NUMBER: US 60/029,960
; PRIOR FILING DATE: 1996-10-31
; NUMBER OF SEQ ID NOS: 454
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 205
; LENGTH: 811
; TYPE: DNA
; ORGANISM: Streptococcus pneumoniae
US-11-106-649-205

Alignment Scores:
Pred. No.: 72.5 Length: 811
Score: 9.00 Matches: 9
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.7% Indels: 0
DB: 10 Gaps: 0

US-10-030-937-9 (1-193) x US-11-106-649-205 (1-811)
QY 66 LeuSerValValGlySerThrSerVal 74
Db 488 TTGTCGTGTAGTTCACCTTCAGTA 514

RESULT 38
US-10-472-928-4347
; Sequence 4347, Application US/10472928
; Publication No. US20050020813A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SpA
; TITLE OF INVENTION: THE INSTITUTE FOR GENOMIC RESEARCH
; FILE REFERENCE: P026926W0
; CURRENT APPLICATION NUMBER: US/10/472,928
; CURRENT FILING DATE: 2003-09-26
; PRIOR APPLICATION NUMBER: GB-0107658.7
; PRIOR FILING DATE: 2001-03-27
; NUMBER OF SEQ ID NOS: 4979
; SOFTWARE: SeqWin99, version 1.03
; SEQ ID NO 4347
; LENGTH: 873
; TYPE: DNA
; ORGANISM: Streptococcus pneumoniae
US-10-472-928-4347

Alignment Scores:
Pred. No.: 77.5 Length: 873
Score: 9.00 Matches: 9
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.7% Indels: 0
DB: 8 Gaps: 0

US-10-030-937-9 (1-193) x US-10-472-928-4347 (1-873)
QY 66 LeuSerValValGlySerThrSerVal 74
Db 550 TTGTCGTGTAGTTCACCTTCAGTA 576

RESULT 39
US-10-617-320-715
; Sequence 715, Application US/10617320
; Publication No. US20050136404A1
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID

; SEQUENCES RELATING TO STREPTOCOCCUS PNEUMONIAE FOR DIAGNOSIS
; THERAPEUTICS
; NUMBER OF SEQUENCES: 5206
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-ROM ISO9660
; COMPUTER: <Unknown>
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: <Unknown>
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/617,320
; FILING DATE: 10-Jul-2003
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,433
; FILING DATE: 30-Jun-1998
; APPLICATION NUMBER: 60/ 085131
; FILING DATE: May 12, 1998
; APPLICATION NUMBER: 60/051553
; FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ariniello, Pamela Deneke
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-011
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 715:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 987 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: circular
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Streptococcus pneumoniae
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (B) LOCATION 1...987
; SEQUENCE DESCRIPTION: SEQ ID NO: 715:
US-10-617-320-715

Alignment Scores:
Pred. No.: 86.6 Length: 987
Score: 9.00 Matches: 9
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.7% Indels: 0
DB: 9 Gaps: 0

US-10-030-937-9 (1-193) x US-10-617-320-715 (1-987)
QY 66 LeuSerValValGlySerThrSerVal 74
Db 661 TTGTCGTGTAGTTCACCTTCAGTA 687

RESULT 40
US-10-424-599-38496
; Sequence 38496, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With

; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 38496
; LENGTH: 1051
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_134763C.1
US-10-424-599-38496

Alignment Scores:
Pred. No.: 91.6 Length: 1051
Score: 9.00 Matches: 9
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.7% Indels: 0
DB: 7 Gaps: 0

US-10-030-937-9 (1-193) x US-10-424-599-38496 (1-1051)

Qy 9 LeuLeuilleAlaLeuGlyLeuLeu 17
Db 186 TTGTTAATCGCCCTAGGGTTACTGTTG 212

RESULT 41

US-08-961-527-148
; Sequence 148, Application US/08961527
; Publication No. US20020032323A1
; GENERAL INFORMATION:
; APPLICANT: Charles Kunsch
; TITLE OF INVENTION: Streptococcus pneumoniae Polynucleotides and Sequences
; NUMBER OF SEQUENCES: 391
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4MB storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/961,527
; FILING DATE:
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Brookes, A. Anders
; REGISTRATION NUMBER: 36,373
; REFERENCE/DOCKET NUMBER: PB340P1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 309-8504
; TELEFAX: (301) 309-8512

; INFORMATION FOR SEQ ID NO: 148:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1217 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
US-08-961-527-148

Alignment Scores:
Pred. No.: 832 Length: 1217
Score: 9.00 Matches: 9
Percent Similarity: 100.0% Conservative: 0

Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.7% Indels: 0
DB: 2 Gaps: 0

US-10-030-937-9 (1-193) x US-08-961-527-148 (1-12127)

Qy 66 LeuSerValValGlySerThrSerVal 74
Db 624 TTGTCGTGTAGTTCCTTCAGTA 650

RESULT 42

US-10-158-844-148
; Sequence 148, Application US/10158844
; Publication No. US20040029118A1
; GENERAL INFORMATION:
; APPLICANT: Kunsch et al.
; TITLE OF INVENTION: Streptococcus pneumoniae Polynucleotides and Sequences
; NUMBER OF SEQUENCES: 391
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850

; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-R
; COMPUTER: Dell Latitude Pentium 3
; OPERATING SYSTEM: Windows 98
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/158,844
; FILING DATE: 03-Jun-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/961,527
; FILING DATE: 1997-10-30
; APPLICATION NUMBER: US 60/029,960
; FILING DATE: 1996-10-31
; ATTORNEY/AGENT INFORMATION:
; NAME: Hyman, Mark J.
; REGISTRATION NUMBER: 46,789
; REFERENCE/DOCKET NUMBER: PB340P1D1

; INFORMATION FOR SEQ ID NO: 148:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 12127 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear

; SEQUENCE DESCRIPTION: SEQ ID NO: 148:
US-10-158-844-148

Alignment Scores:
Pred. No.: 832 Length: 12127
Score: 9.00 Matches: 9
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.7% Indels: 0
DB: 7 Gaps: 0

US-10-030-937-9 (1-193) x US-10-158-844-148 (1-12127)

Qy 66 LeuSerValValGlySerThrSerVal 74
Db 624 TTGTCGTGTAGTTCCTTCAGTA 650

RESULT 43

US-10-472-928-4979
; Sequence 4979, Application US/10472928
; Publication No. US20050020813A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SpA
; ATTORNEY/AGENT INFORMATION:
; APPLICANT: THE INSTITUTE FOR GENOMIC RESEARCH

;/ TITLE OF INVENTION: STREPTOCOCCUS PNEUMONIAE PROTEINS AND NUCLEIC ACIDS

;/ FILE REFERENCE: P026926WO
;/ CURRENT APPLICATION NUMBER: US/10/472,928
;/ CURRENT FILING DATE: 2003-09-26
;/ PRIOR APPLICATION NUMBER: GB-0107658.7
;/ PRIOR FILING DATE: 2001-03-27
;/ NUMBER OF SEQ ID NOS: 4979
;/ SOFTWARE: SeqWin99, version 1.03
;/ SEQ ID NO 4979
;/ LENGTH: 2162598
;/ TYPE: DNA
;/ ORGANISM: Streptococcus pneumoniae
US-10-472-928-4979

Alignment Scores:
Pred. No.: 8.93e+04 Length: 2162598
Score: 9.00 Matches: 9
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.7% Indels: 0
DB: 8 Gaps: 0

US-10-030-937-9 (1-193) x US-10-472-928-4979 (1-2162598)

QY 66 LeuSerValValGlySerThrSerVal 74
|||||
Db 1887665 TTGTCGTGTGTAGTTCACCTTCAGTA 1887691

RESULT 44
US-10-719-900-237828
;/ Sequence 237828, Application US/10719900
;/ Publication No. US20050026164A1
;/ GENERAL INFORMATION:
;/ APPLICANT: Xue Mei Zhou
;/ TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
;/ FILE REFERENCE: 3528.1
;/ CURRENT APPLICATION NUMBER: US/10/719,900
;/ CURRENT FILING DATE: 2003-11-20
;/ PRIOR APPLICATION NUMBER: 60/427,808
;/ PRIOR FILING DATE: 2002.11.20
;/ NUMBER OF SEQ ID NOS: 982914
;/ SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
;/ SEQ ID NO 237828
;/ LENGTH: 25
;/ TYPE: DNA
;/ ORGANISM: Mus musculus
US-10-719-900-237828

Alignment Scores:
Pred. No.: 31.9 Length: 25
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 8 Gaps: 0

US-10-030-937-9 (1-193) x US-10-719-900-237828 (1-25)

QY 184 IleIysIleAlaIalaSerIeuLys 191
|||||
Db 1 ATCAAGATTGCTGCCTCTCTCAAG 24

RESULT 45
US-09-908-975-22643
;/ Sequence 22643, Application US/09908975
;/ Publication No. US20030165843A1
;/ GENERAL INFORMATION:
;/ APPLICANT: SHOSHAN, Avi
;/ APPLICANT: WASSERMAN, Alon
;/ APPLICANT: MINTZ, Eli
;/ APPLICANT: MINTZ, Liat
;/ APPLICANT: FAIGLER, Simchon
;/ TITLE OF INVENTION: OLIGONUCLEOTIDE LIBRARY FOR DETECTING RNA TRANSCRIPTS AND SPLICE

;/ TITLE OF INVENTION: THAT POPULATE A TRANSCRIPTOME

;/ FILE REFERENCE: 36888-0005
;/ CURRENT APPLICATION NUMBER: US/09/908,975
;/ CURRENT FILING DATE: 2001-07-20
;/ PRIOR APPLICATION NUMBER: US 60/287,724
;/ PRIOR FILING DATE: 2001-05-02
;/ PRIOR APPLICATION NUMBER: US 60/221,607
;/ PRIOR FILING DATE: 2000-07-28
;/ NUMBER OF SEQ ID NOS: 32337
;/ SOFTWARE: PatentIn version 3.0
;/ SEQ ID NO 22643
;/ LENGTH: 60
;/ TYPE: DNA
;/ ORGANISM: Homo sapiens
US-09-908-975-22643

Alignment Scores:
Pred. No.: 70.2 Length: 60
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-908-975-22643 (1-60)

QY 42 GlyLysAspProAlaValIleArg 49
|||||
Db 3 GCAGAAAGACCCAGCTGTATTAGA 26

RESULT 46
US-09-864-761-18267/c
;/ Sequence 18267, Application US/09864761
;/ Patent No. US20020048763A1
;/ GENERAL INFORMATION:
;/ APPLICANT: Penn, Sharron G.
;/ APPLICANT: Rank, David R.
;/ APPLICANT: Hanzel, David K.
;/ APPLICANT: Chen, Wensheng
;/ TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
;/ FILE REFERENCE: Aeomica-X-1
;/ CURRENT APPLICATION NUMBER: US/09/864,761
;/ CURRENT FILING DATE: 2001-05-23
;/ PRIOR APPLICATION NUMBER: US 60/180,312
;/ PRIOR FILING DATE: 2000-02-04
;/ PRIOR APPLICATION NUMBER: US 60/207,456
;/ PRIOR FILING DATE: 2000-05-26
;/ PRIOR APPLICATION NUMBER: US 09/632,366
;/ PRIOR FILING DATE: 2000-08-03
;/ PRIOR APPLICATION NUMBER: GB 24263.6
;/ PRIOR FILING DATE: 2000-10-04
;/ PRIOR APPLICATION NUMBER: US 60/236,359
;/ PRIOR FILING DATE: 2000-09-27
;/ PRIOR APPLICATION NUMBER: PCT/US01/00666
;/ PRIOR FILING DATE: 2001-01-30
;/ PRIOR APPLICATION NUMBER: PCT/US01/00667
;/ PRIOR FILING DATE: 2001-01-30
;/ PRIOR APPLICATION NUMBER: PCT/US01/00664
;/ PRIOR FILING DATE: 2001-01-30
;/ PRIOR APPLICATION NUMBER: PCT/US01/00669
;/ PRIOR FILING DATE: 2001-01-30
;/ PRIOR APPLICATION NUMBER: PCT/US01/00665
;/ PRIOR FILING DATE: 2001-01-30
;/ PRIOR APPLICATION NUMBER: PCT/US01/00668
;/ PRIOR FILING DATE: 2001-01-30
;/ PRIOR APPLICATION NUMBER: PCT/US01/00663
;/ PRIOR FILING DATE: 2001-01-30
;/ PRIOR APPLICATION NUMBER: PCT/US01/00662
;/ PRIOR FILING DATE: 2001-01-30
;/ PRIOR APPLICATION NUMBER: PCT/US01/00661
;/ PRIOR FILING DATE: 2001-01-30
;/ PRIOR APPLICATION NUMBER: PCT/US01/00670

;
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 18267
; LENGTH: 195
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AL121748.1
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 2.7
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.3
; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 1.6
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 3.1
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.6
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 8.8
; OTHER INFORMATION: EXPRESSED IN HEL100, SIGNAL = 1.8
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 2.7
; OTHER INFORMATION: EST HUMAN HIT: AA976114.1, EVALUE 1.00e-106
; OTHER INFORMATION: SWISSPROT HIT: O14786, EVALUE 2.00e-34
; OTHER INFORMATION: NT HIT: G111430876, EVALUE 1.00e-106
US-09-864-761-18267

Alignment Scores:
Pred. No.: 203 Length: 195
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-864-761-18267 (1-195)

QY 153 AlaValProAspLeuGluLeuPro 160

Db 141 GCTGTACCCGATCTTGAACCTCCT 118

RESULT 47

US-10-424-599-102858/c
; Sequence 102858, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; PRIOR FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 102858
; LENGTH: 223
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_6389C.1
US-10-424-599-102858

Alignment Scores:
Pred. No.: 229 Length: 223
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 7 Gaps: 0

US-10-030-937-9 (1-193) x US-10-424-599-102858 (1-223)

QY 73 SerValProLeuSerSerProLeu 80

Db 119 TCTGTCCCTTTATCTTCACCACTG 96

RESULT 48

US-10-425-115-5227/c
; Sequence 5227, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 5227
; LENGTH: 274
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_104762C.1
US-10-425-115-5227

Alignment Scores:
Pred. No.: 276 Length: 274
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 8 Gaps: 0

US-10-030-937-9 (1-193) x US-10-425-115-5227 (1-274)

QY 72 ThrSerValProLeuSerSerPro 79

Db 49 ACCTCTGTCCGCTGTCCAGTCCT 26

RESULT 49

US-10-696-639-2552
; Sequence 2552, Application US/10696639
; Publication No. US20050037439A1
; GENERAL INFORMATION:
; APPLICANT: Pharmacia Corporation
; APPLICANT: Bournier, Maureen J.
; TITLE OF INVENTION: DIFFERENTIALLY EXPRESSED GENES INVOLVED IN CANCER, THE
; TITLE OF INVENTION: POLYPEPTIDES ENCODED THEREBY, AND METHODS OF USING THE SAME
; FILE REFERENCE: 01040/1
; CURRENT APPLICATION NUMBER: US/10/696,639
; CURRENT FILING DATE: 2003-10-29
; PRIOR FILING DATE: 2002-10-29
; NUMBER OF SEQ ID NOS: 3114
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2552
; LENGTH: 301
; TYPE: DNA
; ORGANISM: homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (14)..(44)
; OTHER INFORMATION: n=unknown
; NAME/KEY: misc feature
; LOCATION: (294)..(301)
; OTHER INFORMATION: n=unknown
US-10-696-639-2552

Alignment Scores: 301 Length: 301
Pred. No.: 8.00 Matches: 8
Score: 100.0% Conservative: 0
Percent Similarity: 100.0% Mismatches: 0
Best Local Similarity: 100.0% Indels: 0
Query Match: 4.1% Gaps: 0
DB: 8

US-10-030-937-9 (1-193) x US-10-696-639-2552 (1-301)

QY 71 SerThrSerValProLeuSerSer 78
DB 109 TCAACTTCGGTGCCTCTCTCCAGC 132

RESULT 50

US-09-864-761-20513/c
; Sequence 20513, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharon G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
; FILE REFERENCE: Aeomica-X-1
; CURRENT APPLICATION NUMBER: US/09/864, 761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1

SEQ ID NO 20513

LENGTH: 319

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

OTHER INFORMATION: MAP TO AL121748.2

; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 2
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.1
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.1
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.3
; OTHER INFORMATION: EST HUMAN HIT: AA987327.1, EVALUE 0.00e+00
; OTHER INFORMATION: SWISSPROT HIT: O14786, EVALUE 1.00e-51
; OTHER INFORMATION: NT HIT: AF280547.1, EVALUE 0.00e+00
US-09-864-761-20513

Alignment Scores:

Pred. No.: 317 Length: 319
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-864-761-20513 (1-319)

QY 153 AlaValProAspLeuGluLeuPro 160
DB 227 GCTGTACCGGATCTTGAACCTCCT 204

RESULT 51

US-10-425-115-120690/c
; Sequence 120690, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 120690
; LENGTH: 331
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_41551C.1
US-10-425-115-120690

Alignment Scores:

Pred. No.: 327 Length: 331
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 8 Gaps: 0

US-10-030-937-9 (1-193) x US-10-425-115-120690 (1-331)

QY 48 IleArgSerLeuThrLeuGluPro 55
DB 276 ATAAAGTCCCTGACTCTCGAACCC 253

RESULT 52

US-09-864-408A-4241
; Sequence 4241, Application US/09864408A
; Publication No. US20040009474A1
; GENERAL INFORMATION:
; APPLICANT: Leach, Martin D.
; APPLICANT: Shimkets, Richard A.
; TITLE OF INVENTION: No. US20040009474A1 Human Polynucleotides and Polypeptides Encod
; FILE REFERENCE: 21402-012
; CURRENT APPLICATION NUMBER: US/09/864,408A
; CURRENT FILING DATE: 2001-05-24
; PRIOR APPLICATION NUMBER: 60/206,690
; PRIOR FILING DATE: 2000-05-24

; NUMBER OF SEQ ID NOS: 9068
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4241
; LENGTH: 391
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-864-408A-4241

Alignment Scores:
Pred. No.: 381 Length: 391
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-864-408A-4241 (1-391)

Qy 28 ProSerGlnLeuSerSerPheSer 35
Db 18 CCITCCCGAGCTCAGCAGCTTCAGC 41

RESULT 53

US-09-960-352-14056
; Sequence 14056, Application US/09960352
; Patent No. US20020137139A1

GENERAL INFORMATION:

; APPLICANT: Warren, Wesley C.
; APPLICANT: Tao, Mengbing
; APPLICANT: Byatt, John C.
; APPLICANT: Mathialagan, Nagappan
; TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND
; FILE REFERENCE: 16511.006/37-21(10298)C
; CURRENT APPLICATION NUMBER: US/09/960.352
; CURRENT FILING DATE: 2001-09-24
; NUMBER OF SEQ ID NOS: 15112

; SEQ ID NO 14056

; LENGTH: 406

; TYPE: DNA

; ORGANISM: Bos taurus

; OTHER INFORMATION: Clone ID: 60-LIB3058-016-Q1-K1-G12

US-09-960-352-14056

Alignment Scores:

Pred. No.: 394 Length: 406
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-960-352-14056 (1-406)

Qy 144 ThrTyrSerLeuProLysSerGlu 151
Db 166 ACTTACAGTCTCCAAAAGCGAA 189

RESULT 54

US-10-424-599-85374
; Sequence 85374, Application US/10424599
; Publication No. US20040031072A1

GENERAL INFORMATION:

; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424.599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684

; SEQ ID NO 85374
; LENGTH: 420
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_48107C.1
US-10-424-599-85374

Alignment Scores:
Pred. No.: 406 Length: 420
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 7 Gaps: 0

US-10-030-937-9 (1-193) x US-10-424-599-85374 (1-420)

Qy 71 SerThrSerValProLeuSerSer 78
Db 148 TCAACTTCAGTCCACTAAGTTCT 171

RESULT 55

US-09-864-761-1508/c

; Sequence 1508, Application US/09864761

; Patent No. US20020048763A1

GENERAL INFORMATION:

; APPLICANT: Penn, Sharon G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: Aeomica-X-1
; CURRENT APPLICATION NUMBER: US/09/864.761
; CURRENT FILING DATE: 2001-05-23

; PRIOR APPLICATION NUMBER: US 60/180,312

; PRIOR FILING DATE: 2000-02-04

; PRIOR APPLICATION NUMBER: US 60/207,456

; PRIOR FILING DATE: 2000-05-26

; PRIOR APPLICATION NUMBER: US 09/632,366

; PRIOR FILING DATE: 2000-08-03

; PRIOR APPLICATION NUMBER: GB 24263.6

; PRIOR FILING DATE: 2000-10-04

; PRIOR APPLICATION NUMBER: US 60/236,359

; PRIOR FILING DATE: 2000-09-27

; PRIOR APPLICATION NUMBER: PCT/US01/00666

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00667

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00664

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00669

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00665

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00668

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00663

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00662

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00661

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00670

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: US 60/234,687

; PRIOR FILING DATE: 2000-09-21

; PRIOR APPLICATION NUMBER: US 09/608,408

; PRIOR FILING DATE: 2000-06-30

; PRIOR APPLICATION NUMBER: US 09/774,203

; PRIOR FILING DATE: 2001-01-29

; NUMBER OF SEQ ID NOS: 49117

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; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 1508
; LENGTH: 430
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AL121748.1
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 2.7
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.3
; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 1.6
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 3.1
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.6
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 8.8
; OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 1.8
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 2.7
US-09-864-761-1508

Alignment Scores:
Pred. No.: 415 Length: 430
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-864-761-1508 (1-430)

QY 153 AlaValProAspLeuGluLeuPro 160
Db 403 GCTGTACCCGATCTTGAACCTCTC 380

RESULT 56
US-10-972-079-35518
; Sequence 35518, Application US/10972079
; Publication No. US20050153317A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: ROSENFELD, David
; APPLICANT: KERR, Richard
; APPLICANT: BATES, Stephen
; APPLICANT: HOLM, Tom
; TITLE OF INVENTION: METHODS & SYSTEMS FOR INFERRING TRAITS TO BREED & MANAGE NON-BEER
; FILE REFERENCE: MM1110-2
; CURRENT APPLICATION NUMBER: US/10/972,079
; CURRENT FILING DATE: 2004-10-22
; PRIOR APPLICATION NUMBER: US 60/514,333
; PRIOR FILING DATE: 2003-10-24
; NUMBER OF SEQ ID NOS: 96631
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 35518
; LENGTH: 434
; TYPE: DNA
; ORGANISM: Chicken 19866894261663_1
US-10-972-079-35518

Alignment Scores:
Pred. No.: 418 Length: 434
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 9 Gaps: 0

US-10-030-937-9 (1-193) x US-10-972-079-35518 (1-434)

QY 66 LeuSerValGlySerThrSer 73
Db 292 CTCAGTGTGTAGGAGCACCTCC 315

RESULT 57
```

```

US-09-925-065A-48199
; Sequence 48199, Application US/09925065A
; Publication No. US20050228172A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 48199
; LENGTH: 453
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-48199

Alignment Scores:
Pred. No.: 435 Length: 453
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 4 Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-48199 (1-453)

QY 86 LeuGluYsGluValAlaGlyLeu 93
Db 271 CTGGAAAGGAAGTGGCCGGTTG 294

RESULT 58
US-09-917-800A-144
; Sequence 144, Application US/09917800A
; Patent No. US20020119462A1
; GENERAL INFORMATION:
; APPLICANT: Mendrick, Donna
; APPLICANT: Porter, Mark
; APPLICANT: Johnson, Kory
; APPLICANT: Castle, Arthur
; APPLICANT: Blashoff, Michael
; APPLICANT: Gene Logic, Inc.
; TITLE OF INVENTION: Molecular Toxicology Modeling
; FILE REFERENCE: 44921-5038-US
; CURRENT APPLICATION NUMBER: US/09/917,800A
; CURRENT FILING DATE: 2001-07-31
; PRIOR APPLICATION NUMBER: US 60/222,040
; PRIOR FILING DATE: 2000-07-31
; PRIOR APPLICATION NUMBER: US 60/222,880
; PRIOR FILING DATE: 2000-11-02
; PRIOR APPLICATION NUMBER: US 60/290,029
; PRIOR FILING DATE: 2001-05-11
; PRIOR APPLICATION NUMBER: US 60/290,645
; PRIOR FILING DATE: 2001-05-15
; PRIOR APPLICATION NUMBER: US 60/292,336
; PRIOR FILING DATE: 2001-05-22
; PRIOR APPLICATION NUMBER: US 60/295,798
; PRIOR FILING DATE: 2001-06-06
; PRIOR APPLICATION NUMBER: US 60/297,457
; PRIOR FILING DATE: 2001-06-13
; PRIOR APPLICATION NUMBER: US 60/298,884
; PRIOR FILING DATE: 2001-06-19
```

```
; PRIOR APPLICATION NUMBER: US 60/303,459
; PRIOR FILING DATE: 2001-07-09
; NUMBER OF SEQ ID NOS: 1740
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 144
; LENGTH: 458
; TYPE: DNA
; ORGANISM: Rattus norvegicus
; FEATURE:
; TITLE OF INVENTION: Genbank Accession No. US20020119462A1 AA852018
; NAME/KEY: misc feature
; LOCATION: (1)..(458)
; OTHER INFORMATION: n = a or c or g or t
US-09-917-800A-144

Alignment Scores:
Pred. No.: 439 Length: 458
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-917-800A-144 (1-458)

Qy 31 LeuSerSerPheSerTrpAspAsn 38
Db 354 CTGAGTAGTATTTTCTTGGGACAAT 377

RESULT 59
US-09-918-995-8914
; Sequence 8914, Application US/09918995
; Publication No. US20030073623A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; FILE REFERENCE: 20411-756
; CURRENT APPLICATION NUMBER: US/09/918,995
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/235,076
; PRIOR FILING DATE: 1999-01-20
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 8914
; LENGTH: 458
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(458)
; OTHER INFORMATION: n = A,T,C or G
US-09-918-995-8914

Alignment Scores:
Pred. No.: 439 Length: 458
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-918-995-8914 (1-458)

Qy 174 LeuSerSerGlyLysArgLeu 181
Db 310 CTTAGCTCTTCTGGTAACGGCTG 333

RESULT 60
US-10-437-963-18713/c
; Sequence 18713, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
```

```
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 18713
; LENGTH: 467
; TYPE: DNA
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_24245C.1
US-10-437-963-18713

Alignment Scores:
Pred. No.: 447 Length: 467
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 7 Gaps: 0

US-10-030-937-9 (1-193) x US-10-437-963-18713 (1-467)

Qy 173 ValLeuSerSerGlyLysArg 180
Db 141 GTCCTTTCTTCTCTGGAGCGC 118

RESULT 61
US-09-917-800A-910/c
; Sequence 910, Application US/09917800A
; Patent No. US20020119462A1
; GENERAL INFORMATION:
; APPLICANT: Mendrick, Donna
; APPLICANT: Porter, Mark
; APPLICANT: Johnson, Kory
; APPLICANT: Castle, Arthur
; APPLICANT: Elashoff, Michael
; APPLICANT: Gene Logic, Inc.
; TITLE OF INVENTION: Molecular Toxicology Modeling
; FILE REFERENCE: 44921-5038-US
; CURRENT APPLICATION NUMBER: US/09/917,800A
; CURRENT FILING DATE: 2001-07-31
; PRIOR APPLICATION NUMBER: US 60/222,040
; PRIOR FILING DATE: 2000-07-31
; PRIOR APPLICATION NUMBER: US 60/222,880
; PRIOR FILING DATE: 2000-11-02
; PRIOR APPLICATION NUMBER: US 60/290,029
; PRIOR FILING DATE: 2001-05-11
; PRIOR APPLICATION NUMBER: US 60/290,645
; PRIOR FILING DATE: 2001-05-15
; PRIOR APPLICATION NUMBER: US 60/292,336
; PRIOR FILING DATE: 2001-05-22
; PRIOR APPLICATION NUMBER: US 60/295,798
; PRIOR FILING DATE: 2001-06-06
; PRIOR APPLICATION NUMBER: US 60/297,457
; PRIOR FILING DATE: 2001-06-13
; PRIOR APPLICATION NUMBER: US 60/298,884
; PRIOR FILING DATE: 2001-06-19
; PRIOR APPLICATION NUMBER: US 60/303,459
; NUMBER OF SEQ ID NOS: 1740
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 910
; LENGTH: 471
```

```
; TYPE: DNA
; ORGANISM: Rattus norvegicus
; FEATURE:
; OTHER INFORMATION: Genbank Accession No. US20020119462A1 A1171726
US-09-917-800A-910
```

```
Alignment Scores:
Pred. No.: 450 Length: 471
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0
```

US-10-030-937-9 (1-193) x US-09-917-800A-910 (1-471)

```
QY 7 AlaProLeuLeuAlaLeuGly 14
      |||||
Db 331 GCTCCTCTCTCATTCATTCGGGC 308
```

RESULT 62

```
US-09-918-995-30887
; Sequence 30887, Application US/09918995
; Publication No. US20030073623A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; FILE REFERENCE: 20411-756
; CURRENT APPLICATION NUMBER: US/09/918,995
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/235,076
; PRIOR FILING DATE: 1999-01-20
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 30887
; LENGTH: 484
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(484)
; OTHER INFORMATION: n = A,T,C or G
US-09-918-995-30887
```

```
Alignment Scores:
Pred. No.: 461 Length: 484
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0
```

US-10-030-937-9 (1-193) x US-09-918-995-30887 (1-484)

```
QY 171 GluSerValLeuSerSerGly 178
      |||||
Db 37 GAATCCGTACTCTCCAGTTCGGG 60
```

RESULT 63

```
US-10-487-901-961
; Sequence 961, Application US/10487901
; Publication No. US20050091708A1
; GENERAL INFORMATION:
; APPLICANT: Oreido, Jeremiah Vincent
; APPLICANT: McCrery, David
; APPLICANT: Peil, Randy
; APPLICANT: Miller, Barbara
; APPLICANT: Weglarz, Thaddeus
; APPLICANT: Gachotte, Daniel
; APPLICANT: Blakeslee, Beth
; APPLICANT: Larrinua, Ignacio
; APPLICANT: Reddy, Avutu
```

```
; APPLICANT: Shukla, Vipula
; APPLICANT: Crosley, Rodney
; TITLE OF INVENTION: Nucleic Acid Compositions Conferring Altered Metabolic Characteris
; FILE REFERENCE: DOM-08552
; CURRENT APPLICATION NUMBER: US/10/487,901
; CURRENT FILING DATE: 2004-02-26
; NUMBER OF SEQ ID NOS: 7560
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 961
; LENGTH: 490
; TYPE: DNA
; ORGANISM: Trichoderma harzianum
US-10-487-901-961
```

```
Alignment Scores:
Pred. No.: 466 Length: 490
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 9 Gaps: 0
```

US-10-030-937-9 (1-193) x US-10-487-901-961 (1-490)

```
QY 78 SerProLeuLyValAspLeuVal 85
      |||||
Db 176 AGCCCGCTAAAGGTCGACCTGGTA 199
```

RESULT 64

```
US-09-918-995-25173/C
; Sequence 25173, Application US/09918995
; Publication No. US20030073623A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; FILE REFERENCE: 20411-756
; CURRENT APPLICATION NUMBER: US/09/918,995
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/235,076
; PRIOR FILING DATE: 1999-01-20
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 25173
; LENGTH: 495
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(495)
; OTHER INFORMATION: n = A,T,C or G
US-09-918-995-25173
```

```
Alignment Scores:
Pred. No.: 471 Length: 495
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0
```

US-10-030-937-9 (1-193) x US-09-918-995-25173 (1-495)

```
QY 153 AlaValProAspLeuGluLeuPro 160
      |||||
Db 180 GCTGTACCCGACTTGAACTTCCT 157
```

RESULT 65

```
US-09-925-065A-363696/C
; Sequence 363696, Application US/09925065A
; Publication No. US20050228172A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
```

; TITLE OF INVENTION: Identification and Mapping of Single
 ; FILE REFERENCE: 108827.135
 ; CURRENT APPLICATION NUMBER: US/09/925,065A
 ; PRIOR FILING DATE: 2001-08-08
 ; PRIOR APPLICATION NUMBER: US 60/243,096
 ; PRIOR FILING DATE: 2000-10-24
 ; PRIOR APPLICATION NUMBER: US 60/252,147
 ; PRIOR FILING DATE: 2000-11-20
 ; PRIOR APPLICATION NUMBER: US 60/250,092
 ; PRIOR FILING DATE: 2000-11-30
 ; PRIOR APPLICATION NUMBER: US 60/261,766
 ; PRIOR FILING DATE: 2001-01-16
 ; PRIOR APPLICATION NUMBER: US 60/289,846
 ; PRIOR FILING DATE: 2001-05-09
 ; NUMBER OF SEQ ID NOS: 957086
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 363696
 ; LENGTH: 496
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; US-09-925-065A-363696

Alignment Scores:
 Pred. No.: 472 Length: 496
 Score: 8.00 Matches: 8
 Percent Similarity: 100.0% Conservative: 0
 Best Local Similarity: 100.0% Mismatches: 0
 Query Match: 4.1% Indels: 0
 DB: 4 Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-363696 (1-496)

Qy 175 SerSerSerGlyLysArgLeuGly 182
 Db 260 AGTTCTCTGGGAAGAGATTGGGA 237

RESULT 66

US-09-925-065A-363697/c
 ; Sequence 363697, Application US/09925065A
 ; Publication No. US20050228172A9
 ; GENERAL INFORMATION:
 ; APPLICANT: Wang, David G.
 ; TITLE OF INVENTION: Identification and Mapping of Single
 ; FILE REFERENCE: 108827.135
 ; CURRENT APPLICATION NUMBER: US/09/925,065A
 ; PRIOR FILING DATE: 2001-08-08
 ; PRIOR APPLICATION NUMBER: US 60/243,096
 ; PRIOR FILING DATE: 2000-10-24
 ; PRIOR APPLICATION NUMBER: US 60/252,147
 ; PRIOR FILING DATE: 2000-11-20
 ; PRIOR APPLICATION NUMBER: US 60/250,092
 ; PRIOR FILING DATE: 2000-11-30
 ; PRIOR APPLICATION NUMBER: US 60/261,766
 ; PRIOR FILING DATE: 2001-01-16
 ; PRIOR APPLICATION NUMBER: US 60/289,846
 ; PRIOR FILING DATE: 2001-05-09
 ; NUMBER OF SEQ ID NOS: 957086
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 363697
 ; LENGTH: 496
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; US-09-925-065A-363697

Alignment Scores:
 Pred. No.: 472 Length: 496
 Score: 8.00 Matches: 8
 Percent Similarity: 100.0% Conservative: 0
 Best Local Similarity: 100.0% Mismatches: 0
 Query Match: 4.1% Indels: 0
 DB: 4 Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-363697 (1-496)

Qy 175 SerSerSerGlyLysArgLeuGly 182
 Db 260 AGTTCTCTGGGAAGAGATTGGGA 237

RESULT 67

US-09-925-065A-363698/c
 ; Sequence 363698, Application US/09925065A
 ; Publication No. US20050228172A9
 ; GENERAL INFORMATION:
 ; APPLICANT: Wang, David G.
 ; TITLE OF INVENTION: Identification and Mapping of Single
 ; FILE REFERENCE: 108827.135
 ; CURRENT APPLICATION NUMBER: US/09/925,065A
 ; CURRENT FILING DATE: 2001-08-08
 ; PRIOR APPLICATION NUMBER: US 60/243,096
 ; PRIOR FILING DATE: 2000-10-24
 ; PRIOR APPLICATION NUMBER: US 60/252,147
 ; PRIOR FILING DATE: 2000-11-20
 ; PRIOR APPLICATION NUMBER: US 60/250,092
 ; PRIOR FILING DATE: 2000-11-30
 ; PRIOR APPLICATION NUMBER: US 60/261,766
 ; PRIOR FILING DATE: 2001-01-16
 ; PRIOR APPLICATION NUMBER: US 60/289,846
 ; PRIOR FILING DATE: 2001-05-09
 ; NUMBER OF SEQ ID NOS: 957086
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 363698
 ; LENGTH: 496
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; US-09-925-065A-363698

Alignment Scores:
 Pred. No.: 472 Length: 496
 Score: 8.00 Matches: 8
 Percent Similarity: 100.0% Conservative: 0
 Best Local Similarity: 100.0% Mismatches: 0
 Query Match: 4.1% Indels: 0
 DB: 4 Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-363698 (1-496)

Qy 175 SerSerSerGlyLysArgLeuGly 182
 Db 260 AGTTCTCTGGGAAGAGATTGGGA 237

RESULT 68

US-09-925-065A-342350/c
 ; Sequence 342350, Application US/09925065A
 ; Publication No. US20050228172A9
 ; GENERAL INFORMATION:
 ; APPLICANT: Wang, David G.
 ; TITLE OF INVENTION: Identification and Mapping of Single
 ; FILE REFERENCE: 108827.135
 ; CURRENT APPLICATION NUMBER: US/09/925,065A
 ; CURRENT FILING DATE: 2001-08-08
 ; PRIOR APPLICATION NUMBER: US 60/243,096
 ; PRIOR FILING DATE: 2000-10-24
 ; PRIOR APPLICATION NUMBER: US 60/252,147
 ; PRIOR FILING DATE: 2000-11-20
 ; PRIOR APPLICATION NUMBER: US 60/250,092
 ; PRIOR FILING DATE: 2000-11-30
 ; PRIOR APPLICATION NUMBER: US 60/261,766
 ; PRIOR FILING DATE: 2001-01-16
 ; PRIOR APPLICATION NUMBER: US 60/289,846
 ; PRIOR FILING DATE: 2001-05-09
 ; NUMBER OF SEQ ID NOS: 957086
 ; SOFTWARE: FastSEQ for Windows Version 4.0

```
; SEQ ID NO 342350
; LENGTH: 504
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-342350

Alignment Scores:
Pred. No.: 478      Length: 504
Score: 8.00        Matches: 8
Percent Similarity: 100.0%      Conservative: 0
Best Local Similarity: 100.0%    Mismatches: 0
Query Match: 4.1%               Indels: 0
DB: 4                  Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-342350 (1-504)

QY 175 SerSerSerGlyLysArgLeuGly 182
Db 260 AGTTCTCTGGGAAGAGATTGGGA 237

RESULT 69
US-09-925-065A-342353/c
; Sequence 342353, Application US/09925065A
; Publication No. US20050228172A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 342353
; LENGTH: 504
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-342353

Alignment Scores:
Pred. No.: 478      Length: 504
Score: 8.00        Matches: 8
Percent Similarity: 100.0%      Conservative: 0
Best Local Similarity: 100.0%    Mismatches: 0
Query Match: 4.1%               Indels: 0
DB: 4                  Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-342353 (1-504)

QY 175 SerSerSerGlyLysArgLeuGly 182
Db 260 AGTTCTCTGGGAAGAGATTGGGA 237

RESULT 70
US-09-925-065A-426529/c
; Sequence 426529, Application US/09925065A
; Publication No. US20050228172A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
```

```
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 426529
; LENGTH: 513
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-426529

Alignment Scores:
Pred. No.: 486      Length: 513
Score: 8.00        Matches: 8
Percent Similarity: 100.0%      Conservative: 0
Best Local Similarity: 100.0%    Mismatches: 0
Query Match: 4.1%               Indels: 0
DB: 4                  Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-426529 (1-513)

QY 174 LeuSerSerGlyLysArgLeu 181
Db 332 CTTAGCTCTTGTGTAACGGCTG 309

RESULT 71
US-09-925-065A-426530/c
; Sequence 426530, Application US/09925065A
; Publication No. US20050228172A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 426530
; LENGTH: 513
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-426530

Alignment Scores:
Pred. No.: 486      Length: 513
Score: 8.00        Matches: 8
Percent Similarity: 100.0%      Conservative: 0
Best Local Similarity: 100.0%    Mismatches: 0
Query Match: 4.1%               Indels: 0
DB: 4                  Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-426530 (1-513)

QY 174 LeuSerSerGlyLysArgLeu 181
```

```
Db      332 CTTAGCTCTCTCTGGTAAACGGCTG 309
|||||
RESULT 72
US-09-925-065A-311390
; Sequence 311390, Application US/09925065A
; Publication No. US20050228172A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 311390
; LENGTH: 516
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-311390
Alignment Scores:
Pred. No.:      489      Length:      516
Score:          8.00     Matches:      8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:    4.1%    Indels:      0
DB:             4       Gaps:       0

US-10-030-937-9 (1-193) x US-09-925-065A-311390 (1-516)
;
; TYPE: DNA
; ORGANISM: Homo sapiens
Qy      71 SerThrSerValProLeuSerSer 78
|||||
Db      204 TCAACATCTGTGCCCTGTGCATCC 227
|||||
RESULT 73
US-09-925-065A-410117/c
; Sequence 410117, Application US/09925065A
; Publication No. US20050228172A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 410117
; LENGTH: 523
; TYPE: DNA
; ORGANISM: Homo sapiens

US-09-925-065A-410117
Alignment Scores:
Pred. No.:      495      Length:      523
Score:          8.00     Matches:      8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:    4.1%    Indels:      0
DB:             4       Gaps:       0

US-10-030-937-9 (1-193) x US-09-925-065A-410117 (1-523)
;
; TYPE: DNA
; ORGANISM: Homo sapiens
Qy      144 ThrTyrSerLeuProLysSerGlu 151
|||||
Db      168 ACTATTAGTTTACCAAAAGTGAA 145
|||||
RESULT 74
US-09-925-065A-515183
; Sequence 515183, Application US/09925065A
; Publication No. US20050228172A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 515183
; LENGTH: 531
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-515183
Alignment Scores:
Pred. No.:      502      Length:      531
Score:          8.00     Matches:      8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:    4.1%    Indels:      0
DB:             4       Gaps:       0

US-10-030-937-9 (1-193) x US-09-925-065A-515183 (1-531)
;
; TYPE: DNA
; ORGANISM: Homo sapiens
Qy      75 ProLeuSerSerProLeuLysVal 82
|||||
Db      447 CCTCTTTCTTCTCCCTTAAGGTT 470
|||||
RESULT 75
US-09-925-065A-410116/c
; Sequence 410116, Application US/09925065A
; Publication No. US20050228172A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 410117
; LENGTH: 523
; TYPE: DNA
; ORGANISM: Homo sapiens
```

```
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 410116
; LENGTH: 542
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-410116

Alignment Scores:
Pred. No.: 511 Length: 542
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 4 Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-410116 (1-542)

QY 144 ThrTyxSerLeuProLysSerGlu 151
| | | | | | | | | | | | | | | | | | | | | |
Db 202 ACTTATAGTTACCAAAAGTGAA 179

RESULT 76
US-09-925-065A-190128/c
; Sequence 190128, Application US/09925065A
; Publication No. US20050228172A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 190128
; LENGTH: 581
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-190128

Alignment Scores:
Pred. No.: 544 Length: 581
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 4 Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-190128 (1-581)

QY 47 ValIleArgSerLeuThrLeuGlu 54
| | | | | | | | | | | | | | | | | | | | | |
Db 215 GTGATAGGAGTCCTCTCTCTCTC 192

RESULT 77
```

```
US-09-925-065A-439582
; Sequence 439582, Application US/09925065A
; Publication No. US20050228172A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 439582
; LENGTH: 587
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-439582

Alignment Scores:
Pred. No.: 549 Length: 587
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 4 Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-439582 (1-587)

QY 73 SerValProLeuSerSerProLeu 80
| | | | | | | | | | | | | | | | | | | | | |
Db 416 TCTGTTCCTCTCTCTCTCTCTC 439

RESULT 78
US-10-027-632-277778/c
; Sequence 277778, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 277778
; LENGTH: 593
; TYPE: DNA
; ORGANISM: Human
```



```
US-10-027-632-277778
Alignment Scores:
Pred. No.: 554      Length: 593
Score: 8.00      Matches: 8
Percent Similarity: 100.0%      Conservative: 0
Best Local Similarity: 100.0%      Mismatches: 0
Query Match: 4.1%      Indels: 0
DB: 5      Gaps: 0

US-10-030-937-9 (1-193) x US-10-027-632-277778 (1-593)
Qy 161 SerTrpLeuThrThrGlyAsnTyr 168
Db 593 AGCTGGCTCACCACAGGGAACAC 570

RESULT 79
US-10-027-632-277778/c
; Sequence 277778, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 277778
; LENGTH: 593
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-277778
Alignment Scores:
Pred. No.: 554      Length: 593
Score: 8.00      Matches: 8
Percent Similarity: 100.0%      Conservative: 0
Best Local Similarity: 100.0%      Mismatches: 0
Query Match: 4.1%      Indels: 0
DB: 6      Gaps: 0

US-10-030-937-9 (1-193) x US-10-027-632-277778 (1-593)
Qy 161 SerTrpLeuThrThrGlyAsnTyr 168
Db 593 AGCTGGCTCACCACAGGGAACAC 570

RESULT 80
US-09-925-065A-540332/c
; Sequence 540332, Application US/09925065A
; Publication No. US20050228172A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 540333
; LENGTH: 594
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-540333
Alignment Scores:
Pred. No.: 555      Length: 594
Score: 8.00      Matches: 8
Percent Similarity: 100.0%      Conservative: 0
Best Local Similarity: 100.0%      Mismatches: 0
Query Match: 4.1%      Indels: 0
DB: 4      Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-540333 (1-594)
Qy 13 LeuGlyLeuLeuAlaThrPro 20
Db 173 CTAGGACTTCTGTGGCACTCCC 150
```

```
US-10-030-937-9 (1-193) x US-09-925-065A-540332 (1-594)
Qy 13 LeuGlyLeuLeuAlaThrPro 20
Db 173 CTAGGACTTCTGTGGCACTCCC 150

RESULT 81
US-09-925-065A-540333/c
; Sequence 540333, Application US/09925065A
; Publication No. US20050228172A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 540333
; LENGTH: 594
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-540333
Alignment Scores:
Pred. No.: 555      Length: 594
Score: 8.00      Matches: 8
Percent Similarity: 100.0%      Conservative: 0
Best Local Similarity: 100.0%      Mismatches: 0
Query Match: 4.1%      Indels: 0
DB: 4      Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-540333 (1-594)
Qy 13 LeuGlyLeuLeuAlaThrPro 20
```

Db 173 CTAGGACTTCTGTGGCACTCCC 150
RESULT 82
US-09-925-065A-942407/c
; Sequence 942407, Application US/09925065A
; Publication No. US20050228172A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 942407
; LENGTH: 594
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-942407
Alignment Scores:
Pred. No.: 555 Length: 594
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 4 Gaps: 0
US-10-030-937-9 (1-193) x US-09-925-065A-942407 (1-594)
QY 39 CysPheGluGlyLysAspProAla 46
Db 112 TGCTTTGAAGGAAGGACCCAGCC 89
RESULT 83
US-09-925-065A-942408/c
; Sequence 942408, Application US/09925065A
; Publication No. US20050228172A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 942408
; LENGTH: 594
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-942407 (1-594)
QY 39 CysPheGluGlyLysAspProAla 46
Db 112 TGCTTTGAAGGAAGGACCCAGCC 89
RESULT 84
US-09-925-065A-942408/c
; Sequence 942408, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29

US-09-925-065A-942408
Alignment Scores:
Pred. No.: 555 Length: 594
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 4 Gaps: 0
US-10-030-937-9 (1-193) x US-09-925-065A-942408 (1-594)
QY 39 CysPheGluGlyLysAspProAla 46
Db 112 TGCTTTGAAGGAAGGACCCAGCC 89
RESULT 84
US-10-972-079-78815/c
; Sequence 78815, Application US/10972079
; Publication No. US20050153317A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: ROSENFELD, David
; APPLICANT: KERR, Richard
; APPLICANT: BATES, Stephen
; APPLICANT: HOLM, Tom
; TITLE OF INVENTION: METHODS & SYSTEMS FOR INFERRING TRAITS TO BREED & MANAGE NON-BEER
; LIVES TOCK
; FILE REFERENCE: MM1110-2
; CURRENT APPLICATION NUMBER: US/10/972,079
; CURRENT FILING DATE: 2004-10-22
; PRIOR APPLICATION NUMBER: US 60/514,333
; PRIOR FILING DATE: 2003-10-24
; NUMBER OF SEQ ID NOS: 96631
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 78815
; LENGTH: 600
; TYPE: DNA
; ORGANISM: Chicken 19866894369026_1
US-10-972-079-78815
Alignment Scores:
Pred. No.: 560 Length: 600
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 9 Gaps: 0
US-10-030-937-9 (1-193) x US-10-972-079-78815 (1-600)
QY 3 SerLeuMetGlnAlaProLeuLeu 10
Db 500 TCATTAAATGCAAGCACCTCTCTTA 477
RESULT 85
US-10-027-632-308245
; Sequence 308245, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29

```
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 308245
; LENGTH: 602
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(602)
; OTHER INFORMATION: n = A,T,C or G
US-10-027-632-308245

Alignment Scores:
Pred. No.: 562          Length: 602
Score: 8.00           Matches: 8
Percent Similarity: 100.0%      Conservative: 0
Best Local Similarity: 100.0%    Mismatches: 0
Query Match: 4.1%             Indels: 0
DB: 5                     Gaps: 0

US-10-030-937-9 (1-193) x US-10-027-632-308245 (1-602)

Qy 11 IleAlaLeuGlyLeuLeuAla 18
Db 76 ATTGCTCTGGCCCTACTCTAGCA 99

RESULT 86
US-10-027-632-308245
; Sequence 308245, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 86778
; LENGTH: 615
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-86778

Alignment Scores:
Pred. No.: 573          Length: 615
Score: 8.00           Matches: 8
Percent Similarity: 100.0%      Conservative: 0
Best Local Similarity: 100.0%    Mismatches: 0
Query Match: 4.1%             Indels: 0
DB: 5                     Gaps: 0

US-10-030-937-9 (1-193) x US-10-027-632-86778 (1-615)

Qy 157 LeuGlulLeuProSerTrpLeuThr 164
Db 493 CTGGAGCTGCCATCCTGGCTCACA 516

RESULT 88
US-10-027-632-86778
; Sequence 86778, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
```

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; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 308245
; LENGTH: 602
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(602)
; OTHER INFORMATION: n = A,T,C or G
US-10-027-632-308245

Alignment Scores:
Pred. No.: 562          Length: 602
Score: 8.00           Matches: 8
Percent Similarity: 100.0%      Conservative: 0
Best Local Similarity: 100.0%    Mismatches: 0
Query Match: 4.1%             Indels: 0
DB: 5                     Gaps: 0

US-10-030-937-9 (1-193) x US-10-027-632-308245 (1-602)

Qy 11 IleAlaLeuGlyLeuLeuAla 18
Db 76 ATTGCTCTGGCCCTACTCTAGCA 99

RESULT 86
US-10-027-632-308245
; Sequence 308245, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 308245
; LENGTH: 602
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(602)
; OTHER INFORMATION: n = A,T,C or G
US-10-027-632-308245

Alignment Scores:
Pred. No.: 562          Length: 602
```

;
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 86778
; LENGTH: 615
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-86778

Alignment Scores:
Pred. No.: 573 Length: 615
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 6 Gaps: 0

US-10-030-937-9 (1-193) x US-10-027-632-86778 (1-615)

QY 157 LeuGlyLeuProSerTrpLeuThr 164
|||||
DB 493 CTGGAGCTGCCATCTCGGTCA 516

RESULT 89

US-10-027-632-286832/c
; Sequence 286832, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:

; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 286832
; LENGTH: 617
; TYPE: DNA
; ORGANISM: Human

US-10-027-632-286832
Alignment Scores:
Pred. No.: 574 Length: 617
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 5 Gaps: 0

US-10-030-937-9 (1-193) x US-10-027-632-86778 (1-615)
QY 157 LeuGlyLeuProSerTrpLeuThr 164
|||||
DB 493 CTGGAGCTGCCATCTCGGTCA 516

Alignment Scores:
Pred. No.: 574 Length: 617
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 5 Gaps: 0

US-10-030-937-9 (1-193) x US-10-027-632-286832 (1-617)

QY 13 LeuGlyLeuLeuAlaThrPro 20
|||||
DB 355 CTAGGACTCTTTTAGCGACCT 332

RESULT 90

US-10-027-632-286833/c
; Sequence 286833, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:

; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 286833
; LENGTH: 617
; TYPE: DNA
; ORGANISM: Human

US-10-027-632-286833
Alignment Scores:
Pred. No.: 574 Length: 617
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 5 Gaps: 0

US-10-030-937-9 (1-193) x US-10-027-632-286833 (1-617)
QY 13 LeuGlyLeuLeuAlaThrPro 20
|||||
DB 355 CTAGGACTCTTTTAGCGACCT 332

Alignment Scores:
Pred. No.: 574 Length: 617
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 5 Gaps: 0

US-10-030-937-9 (1-193) x US-10-027-632-286833 (1-617)

QY 13 LeuGlyLeuLeuAlaThrPro 20
|||||
DB 355 CTAGGACTCTTTTAGCGACCT 332

RESULT 91

US-10-027-632-286832/c
; Sequence 286832, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:

; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24

US-10-027-632-286832
Alignment Scores:
Pred. No.: 574 Length: 617
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 5 Gaps: 0

US-10-030-937-9 (1-193) x US-10-027-632-286833 (1-617)
QY 13 LeuGlyLeuLeuAlaThrPro 20
|||||
DB 355 CTAGGACTCTTTTAGCGACCT 332

; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 286832
; LENGTH: 617
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-286832

Alignment Scores:
Pred. No.: 574 Length: 617
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 6 Gaps: 0

US-10-030-937-9 (1-193) x US-10-027-632-286832 (1-617)

Qy 13 LeuGlyLeuLeuAlaThrPro 20
|||||
Db 355 CTAGGACTCCTTTTAGCGACACCT 332

RESULT 92
US-10-027-632-286833/c
; Sequence 286833, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 106827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 286833
; LENGTH: 617
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-286833

Alignment Scores:
Pred. No.: 574 Length: 617
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 6 Gaps: 0

US-10-030-937-9 (1-193) x US-10-027-632-286833 (1-617)

Qy 13 LeuGlyLeuLeuAlaThrPro 20
|||||

Db 355 CTAGGACTCCTTTTAGCGACACCT 332

RESULT 93
US-10-425-114-17809
; Sequence 17809, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 17809
; LENGTH: 618
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB3075-030-A9_FLI
US-10-425-114-17809

Alignment Scores:
Pred. No.: 575 Length: 618
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 7 Gaps: 0

US-10-030-937-9 (1-193) x US-10-425-114-17809 (1-618)

Qy 142 GluGlyThrTyrSerLeuProLys 149
|||||
Db 31 GAGGGACCTATTCCCTTCCAAG 54

RESULT 94
US-10-425-115-153765
; Sequence 153765, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 153765
; LENGTH: 618
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_71811C.1
US-10-425-115-153765

Alignment Scores:
Pred. No.: 575 Length: 618
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 8 Gaps: 0

US-10-030-937-9 (1-193) x US-10-425-115-153765 (1-618)

```
QY      142 GluGlyThrTyrSerLeuProLys 149
      |||
Db      31 GAGGGGACCTATTCCCTTCCAAG 54

RESULT 95
US-09-925-065A-945891/c
; Sequence 945891, Application US/09925065A
; Publication No. US20050228172A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 945891
; LENGTH: 619
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-945891

Alignment Scores:
Pred. No.:      576      Length:      619
Score:          8.00      Matches:      8
Percent Similarity: 100.0%      Conservative: 0
Best Local Similarity: 100.0%      Mismatches: 0
Query Match:    4.1%      Indels:      0
DB:             4      Gaps:      0

US-10-030-937-9 (1-193) x US-09-925-065A-945891 (1-619)

QY      172 SerValLeuSerSerGlyLys 179
      |||
Db      397 TCTGTTCTGAGCAGTTCTGGGAAG 374

RESULT 96
US-09-925-065A-947649/c
; Sequence 947649, Application US/09925065A
; Publication No. US20050228172A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 947649
; LENGTH: 620
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-947649

Alignment Scores:
Pred. No.:      576      Length:      619
Score:          8.00      Matches:      8
Percent Similarity: 100.0%      Conservative: 0
Best Local Similarity: 100.0%      Mismatches: 0
Query Match:    4.1%      Indels:      0
DB:             4      Gaps:      0

US-10-030-937-9 (1-193) x US-09-925-065A-945891 (1-619)

QY      172 SerValLeuSerSerGlyLys 179
      |||
Db      397 TCTGTTCTGAGCAGTTCTGGGAAG 374

RESULT 96
US-09-925-065A-947649/c
; Sequence 947649, Application US/09925065A
; Publication No. US20050228172A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 947649
; LENGTH: 620
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-947649

Alignment Scores:
Pred. No.:      579      Length:      623
Score:          8.00      Matches:      8
Percent Similarity: 100.0%      Conservative: 0
Best Local Similarity: 100.0%      Mismatches: 0
Query Match:    4.1%      Indels:      0
DB:             4      Gaps:      0

US-10-030-937-9 (1-193) x US-09-925-065A-945883 (1-623)

QY      172 SerValLeuSerSerGlyLys 179
      |||
Db      228 TCTGTTCTGAGCAGTTCTGGGAAG 251

RESULT 98
US-10-357-930-22048/c
; Sequence 22048, Application US/10357930
; Publication No. US20040259086A1
; GENERAL INFORMATION:
; APPLICANT: Schlegel, Robert
; APPLICANT: Endege, Wilson
; APPLICANT: Monahan, John
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY OF
; FILE REFERENCE: MRI-007BCN
```

```
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-947649

Alignment Scores:
Pred. No.:      577      Length:      620
Score:          8.00      Matches:      8
Percent Similarity: 100.0%      Conservative: 0
Best Local Similarity: 100.0%      Mismatches: 0
Query Match:    4.1%      Indels:      0
DB:             4      Gaps:      0

US-10-030-937-9 (1-193) x US-09-925-065A-947649 (1-620)

QY      172 SerValLeuSerSerGlyLys 179
      |||
Db      397 TCTGTTCTGAGCAGTTCTGGGAAG 374

RESULT 97
US-09-925-065A-945883
; Sequence 945883, Application US/09925065A
; Publication No. US20050228172A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 945883
; LENGTH: 623
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-945883

Alignment Scores:
Pred. No.:      579      Length:      623
Score:          8.00      Matches:      8
Percent Similarity: 100.0%      Conservative: 0
Best Local Similarity: 100.0%      Mismatches: 0
Query Match:    4.1%      Indels:      0
DB:             4      Gaps:      0

US-10-030-937-9 (1-193) x US-09-925-065A-945883 (1-623)

QY      172 SerValLeuSerSerGlyLys 179
      |||
Db      228 TCTGTTCTGAGCAGTTCTGGGAAG 251

RESULT 98
US-10-357-930-22048/c
; Sequence 22048, Application US/10357930
; Publication No. US20040259086A1
; GENERAL INFORMATION:
; APPLICANT: Schlegel, Robert
; APPLICANT: Endege, Wilson
; APPLICANT: Monahan, John
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY OF
; FILE REFERENCE: MRI-007BCN
```

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; CURRENT APPLICATION NUMBER: US/10/357,930
; CURRENT FILING DATE: 2003-02-04
; PRIOR APPLICATION NUMBER: 09/785,276
; PRIOR FILING DATE: 2003-02-16
; PRIOR APPLICATION NUMBER: 60/183,319
; PRIOR FILING DATE: 2000-02-17
; PRIOR APPLICATION NUMBER: 60/189,862
; PRIOR FILING DATE: 2000-03-16
; PRIOR APPLICATION NUMBER: 60/207,454
; PRIOR FILING DATE: 2000-05-25
; PRIOR APPLICATION NUMBER: 60/211,314
; PRIOR FILING DATE: 2000-06-09
; PRIOR APPLICATION NUMBER: 60/219,007
; PRIOR FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: 60/255,281
; PRIOR FILING DATE: 2000-12-13
; NUMBER OF SEQ ID NOS: 62232
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 22048
; LENGTH: 623
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 1, 2, 3, 4, 618, 623
; OTHER INFORMATION: n = A,T,C or G
US-10-357-930-22048

Alignment Scores:
Pred. No.:      579      Length:      623
Score:          8.00     Matches:      8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:     4.1%   Indels:      0
DB:              8      Gaps:       0

US-10-030-937-9 (1-193) x US-10-357-930-22048 (1-623)

Qy 153 AlavalProaspLeuGluLeuPro 160
Db 149 GCTGTACCCGATCTTGAACCTCTCT 126

RESULT 99
US-10-357-930-27904/c
; Sequence 27904, Application US/10357930
; Publication No. US20040259086A1
; GENERAL INFORMATION:
; APPLICANT: Schlegel, Robert
; APPLICANT: Endege, Wilson
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY OF
; FILE REFERENCE: MEI-007BCN
; CURRENT APPLICATION NUMBER: US/10/357,930
; CURRENT FILING DATE: 2003-02-04
; PRIOR APPLICATION NUMBER: 09/785,276
; PRIOR FILING DATE: 2003-02-16
; PRIOR APPLICATION NUMBER: 60/183,319
; PRIOR FILING DATE: 2000-02-17
; PRIOR APPLICATION NUMBER: 60/189,862
; PRIOR FILING DATE: 2000-03-16
; PRIOR APPLICATION NUMBER: 60/207,454
; PRIOR FILING DATE: 2000-05-25
; PRIOR APPLICATION NUMBER: 60/211,314
; PRIOR FILING DATE: 2000-06-09
; PRIOR APPLICATION NUMBER: 60/219,007
; PRIOR FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: 60/255,281
; PRIOR FILING DATE: 2000-12-13
; NUMBER OF SEQ ID NOS: 62232
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 27904
```

```
; LENGTH: 623
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 1, 2, 3, 4, 618, 623
; OTHER INFORMATION: n = A,T,C or G
US-10-357-930-27904

Alignment Scores:
Pred. No.:      579      Length:      623
Score:          8.00     Matches:      8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:     4.1%   Indels:      0
DB:              8      Gaps:       0

US-10-030-937-9 (1-193) x US-10-357-930-27904 (1-623)

Qy 153 AlavalProaspLeuGluLeuPro 160
Db 149 GCTGTACCCGATCTTGAACCTCTCT 126

RESULT 100
US-09-925-065A-911310
; Sequence 911310, Application US/09925065A
; Publication No. US20050228172A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 911310
; LENGTH: 632
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-911310

Alignment Scores:
Pred. No.:      587      Length:      632
Score:          8.00     Matches:      8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:     4.1%   Indels:      0
DB:              4      Gaps:       0

US-10-030-937-9 (1-193) x US-09-925-065A-911310 (1-632)

Qy 29 SerGlnLeuSerSerPheSerTrp 36
Db 479 TCTCAGCTCTCTCTTTTCTCTGG 502
```

Search completed: February 16, 2006, 14:10:22
Job time : 1027 secs

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GenCore version 5.1.7
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OM protein - nucleic search, using frame_plus_p2n model

Run on: February 16, 2006, 13:52:34 ; Search time 427 Seconds
(without alignments)
959.458 Million cell updates/sec

Title: US-10-030-937-9

Perfect score: 193

Sequence: 1 MQSLMQAPLLIALGLLALTP.....LSSSGKELGCIKIAASLKGI 193

Scoring table:

Xgapop 60.0 , Xgapext 60.0
Ygapop 60.0 , Ygapext 60.0
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 7204252 seqs, 1061369211 residues

Word size: 1

Total number of hits satisfying chosen parameters: 14406945

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 150 summaries

Command line parameters:

-MODEL=frame+ p2n.model -DEV=xlp
-Q=/abs/ABSSWEB.spool/US1003037/runat_15022006_055752_6454/app_query.fasta_1
-DB=Published Applications NA New -QFMT=fastap -SUFFIX=oligo.rnpbn
-MINMATCH=0.1 -LOOPCL=0 -LOOPEXT=0 -UNITS=bits -START=1 -END=1 -MATRIX=oligo
-TRANS-human40.cdi -LIST=150 -DOCLALIGN=200 -THR SCORE=quality -THR MIN=1
-ALIGN=100 -MODE=LOCAL -OUTFMT=ptc -NORM=ext -HEADSIZE=500 -MINLEN=0
-MAXLEN=2000000000 -HOST=abs05p
-USR=US1003037 @CGN 1.1 335 @runat_15022006_055752_6454 -NCPU=6 -ICPU=3
-NO MMAP -NEG SCORES=0 -WAIT -DSPBLOCK=100 -LONLOG -DEV TIMEOUT=120
-WARN TIMEOUT=30 -THREADS=1 -XGAPOP=60 -XGAPEXT=60 -FGAPOP=6 -FGAPEXT=7
-YGAPOP=60 -YGAPEXT=60 -DELOP=6 -DELEXT=7

Database : Published Applications NA New:*

1: /cgn2_6/ptodata/1/pubpna/US08_NEW_PUB.seq.*
2: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq.*
3: /cgn2_6/ptodata/1/pubpna/US07_NEW_PUB.seq.*
4: /cgn2_6/ptodata/1/pubpna/PTCT_NEW_PUB.seq.*
5: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq.*
6: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq.*
7: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq.*
8: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq.*
9: /cgn2_6/ptodata/1/pubpna/US11_NEW_PUB.seq.*
10: /cgn2_6/ptodata/1/pubpna/US11_NEW_PUB.seq2.*
11: /cgn2_6/ptodata/1/pubpna/US11_NEW_PUB.seq3.*
12: /cgn2_6/ptodata/1/pubpna/US11_NEW_PUB.seq4.*
13: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Query | Score | Match | Length | ID | Description |
|------------|-------|-------|-------|--------|-----------------------|--------------------|
| 1 | 112 | 58.0 | 2471 | 8 | US-10-821-234-310 | Sequence 310, App |
| 2 | 10 | 5.2 | 73072 | 12 | US-11-124-368A-2919 | Sequence 2919, App |
| 3 | 9 | 4.7 | 615 | 6 | US-09-925-065A-876995 | Sequence 876995, |
| 4 | 9 | 4.7 | 615 | 6 | US-09-925-065A-905985 | Sequence 905985, |

US-09-925-065A-877564
US-11-013-759-10
US-11-117-187-212
US-11-121-849-108668
US-11-121-849-108669
US-11-124-368A-6788
US-09-925-065A-48199
US-09-925-065A-363696
US-09-925-065A-363697
US-09-925-065A-363698
US-09-925-065A-342350
US-09-925-065A-342353
US-09-925-065A-426529
US-09-925-065A-426530
US-09-925-065A-311390
US-09-925-065A-410117
US-09-925-065A-515183
US-09-925-065A-410116
US-09-925-065A-190128
US-09-925-065A-439582
US-09-925-065A-540332
US-09-925-065A-540333
US-09-925-065A-942407
US-09-925-065A-942408
US-09-925-065A-945891
US-09-925-065A-945891
US-09-925-065A-945893
US-09-925-065A-911310
US-09-925-065A-428741
US-09-925-065A-177255
US-10-986-501-56
US-10-750-185-30052
US-10-750-623-30052
US-09-925-065A-87117
US-09-925-065A-87118
US-09-925-065A-87119
US-11-128-061-58
US-11-128-049-58
US-09-925-065A-4076
US-09-925-065A-4077
US-09-925-065A-4078
US-09-925-065A-4079
US-09-925-065A-87106
US-09-925-065A-87107
US-10-750-185-25958
US-10-750-623-25958
US-09-925-065A-70037
US-10-750-185-53107
US-10-750-623-53107
US-09-925-065A-47291
US-09-925-065A-47292
US-09-925-065A-719938
US-09-925-065A-674609
US-11-075-047A-112
US-11-245-147-187
US-10-821-234-328
US-11-136-527-2356
US-11-127-832-12
US-11-112-908-36
US-10-310-914A-678003
US-10-310-914A-813490
US-11-121-849-591268
US-11-136-527-144375
US-11-136-527-144394
US-11-136-527-218553
US-11-136-527-218586
US-11-136-527-349660
US-11-136-527-349669
US-11-175-859-98025
US-10-310-914A-18536
US-11-098-686-1452
US-11-098-686-1602
US-11-098-686-2531

Sequence 877564,
Sequence 10, App
Sequence 212, App
Sequence 108668,
Sequence 108669,
Sequence 6788, App
Sequence 48199, App
Sequence 363696,
Sequence 363697,
Sequence 363698,
Sequence 342350,
Sequence 342353,
Sequence 426529,
Sequence 426530,
Sequence 311390,
Sequence 410117,
Sequence 515183,
Sequence 410116,
Sequence 190128,
Sequence 439582,
Sequence 540332,
Sequence 540333,
Sequence 942407,
Sequence 942408,
Sequence 945891,
Sequence 945893,
Sequence 911310,
Sequence 428741,
Sequence 177255,
Sequence 56, Appl
Sequence 30052, A
Sequence 87117, A
Sequence 87118, A
Sequence 87119, A
Sequence 58, Appl
Sequence 58, Appl
Sequence 4076, App
Sequence 4077, App
Sequence 4078, App
Sequence 4079, App
Sequence 87106, A
Sequence 87107, A
Sequence 25958, A
Sequence 25958, A
Sequence 70037, A
Sequence 53107, A
Sequence 47291, A
Sequence 47292, A
Sequence 719938,
Sequence 674609,
Sequence 112, App
Sequence 187, App
Sequence 328, App
Sequence 2356, App
Sequence 12, Appl
Sequence 36, Appl
Sequence 678003,
Sequence 813490,
Sequence 591268,
Sequence 144375,
Sequence 144394,
Sequence 218553,
Sequence 218586,
Sequence 349660,
Sequence 349669,
Sequence 98025, A
Sequence 18536, A
Sequence 145, App
Sequence 1602, App
Sequence 2531, App

Qy 180 rgleuGlyCyeIleIysIleAlaIasSerLeuLysGlyIle 193
Db 634 GTCTGGGCTGCATCAAGATCGCTCTCTTAAGGGGATA 674

RESULT 2

US-11-124-368A-2919
; Sequence 2919, Application US/11124368A
; Publication No. US20050287559A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; APPLICANT: James J. Devlin
; APPLICANT: May Luke
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; TITLE OF INVENTION: Vascular Diseases, Methods of Detection and Uses Thereof
; FILE REFERENCE: C1001524
; CURRENT APPLICATION NUMBER: US/11/124,368A
; PRIOR FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,845
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/625,936
; PRIOR FILING DATE: 2004-11-09
; NUMBER OF SEQ ID NOS: 2112
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2919
; LENGTH: 73072
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-124-368A-2919

Alignment Scores:
Pred. No.: 239 Length: 73072
Score: 10.00 Matches: 10
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 5.2% Indels: 0
DB: 12 Gaps: 0

US-10-030-937-9 (1-193) x US-11-124-368A-2919 (1-73072)

Qy 79 ProLeuLysValAspLeuValLeuGluLys 88
Db 1168 CCGTTGAAGTAGACTTAGTTTGGAAAAA 1197

RESULT 3

US-09-925-065A-876995/c
; Sequence 876995, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 876995
; LENGTH: 615
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-876995

Alignment Scores:

Pred. No.: 19.4 Length: 615
Score: 9.00 Matches: 9
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.7% Indels: 0
DB: 6 Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-876995 (1-615)

Qy 9 LeuLeuIleAlaLeuGlyLeuLeuLeu 17
Db 308 TTACTAATTCGCTAGCTTTACTGCTG 282

RESULT 4

US-09-925-065A-905985/c
; Sequence 905985, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 905985
; LENGTH: 615
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-905985

Alignment Scores:
Pred. No.: 19.4 Length: 615
Score: 9.00 Matches: 9
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.7% Indels: 0
DB: 6 Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-905985 (1-615)

Qy 9 LeuLeuIleAlaLeuGlyLeuLeuLeu 17
Db 308 TTACTAATTCGCTAGCTTTACTGCTG 282

RESULT 5

US-09-925-065A-877564
; Sequence 877564, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30

```

; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: PASTSEQ for Windows Version 4.0
; SEQ ID NO 877564
; LENGTH: 621
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-877564
```

```

Alignment Scores:
Pred. No.: 19.6 Length: 621
Score: 9.00 Matches: 9
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.7% Indels: 0
DB: 6 Gaps: 0
```

US-10-030-937-9 (1-193) x US-09-925-065A-877564 (1-621)

```

QY 9 LeuLeuIleAlaLeuGlyLeuLeu 17
Db 309 TTACTAATTGCGCTAGGTTTACTGCTG 335
```

RESULT 6

```

US-11-013-759-10/c
; Sequence 10, Application US/11013759
; Publication No. US20050249747A1
; GENERAL INFORMATION:
; APPLICANT: Loosmore, Sheena M.
; APPLICANT: Sasaki, Ken
; APPLICANT: Yang, Yan Ping
; APPLICANT: Klein, Michel H.
; TITLE OF INVENTION: RECOMBINANT HIGH MOLECULAR WEIGHT MAJOR OUTER MEMBRANE
; FILE REFERENCE: 1038-921MIS:jb
; CURRENT APPLICATION NUMBER: US/11/013,759
; PRIOR FILING DATE: 2004-12-16
; PRIOR APPLICATION NUMBER: US/09/361,619
; PRIOR FILING DATE: 1999-07-27
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 10
; LENGTH: 6942
; TYPE: DNA
; ORGANISM: Moraxella catarrhalis
US-11-013-759-10
```

```

Alignment Scores:
Pred. No.: 243 Length: 6942
Score: 9.00 Matches: 9
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.7% Indels: 0
DB: 12 Gaps: 0
```

US-10-030-937-9 (1-193) x US-11-013-759-10 (1-6942)

```

QY 74 ValProLeuSerSerProLeuLysVal 82
Db 1088 GTACCGTTATCATCACCCCTTAAAGTA 1062
```

RESULT 7

```

US-11-117-187-212
; Sequence 212, Application US/11117187
; Publication No. US20050266560A1
; GENERAL INFORMATION:
; APPLICANT: PREUSS, DAPHNE
; APPLICANT: COPENHAVER, GREGORY
; TITLE OF INVENTION: PLANT ARTIFICIAL CHROMOSOME COMPOSITIONS AND METHODS
; FILE REFERENCE: ARCD:309US
```

```

; CURRENT APPLICATION NUMBER: US/11/117,187
; CURRENT FILING DATE: 2005-04-28
; PRIOR APPLICATION NUMBER: US/09/531,120
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: 60/125,219
; PRIOR FILING DATE: 1999-03-18
; NUMBER OF SEQ ID NOS: 212
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 212
; LENGTH: 163317
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-11-117-187-212
```

```

Alignment Scores:
Pred. No.: 6.58e+03 Length: 163317
Score: 9.00 Matches: 9
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.7% Indels: 0
DB: 12 Gaps: 0
```

US-10-030-937-9 (1-193) x US-11-117-187-212 (1-163317)

```

QY 72 ThrSerValProLeuSerSerProLeu 80
Db 105265 ACTTCAGTACCATTTGCTTCTCCATTA 105291
```

RESULT 8

```

US-11-121-849-108668
; Sequence 108668, Application US/11121849
; Publication No. US2005027080A1
; GENERAL INFORMATION:
; APPLICANT: John Palma
; TITLE OF INVENTION: Methods of Genetic Analysis of Formalin Fixed Paraffin Embedded S
; FILE REFERENCE: 3684.1
; CURRENT APPLICATION NUMBER: US/11/121,849
; CURRENT FILING DATE: 2005-05-03
; PRIOR APPLICATION NUMBER: 60/567,949
; PRIOR FILING DATE: 2004-05-03
; NUMBER OF SEQ ID NOS: 673904
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 108668
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-11-121-849-108668
```

```

Alignment Scores:
Pred. No.: 8.14 Length: 25
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 12 Gaps: 0
```

US-10-030-937-9 (1-193) x US-11-121-849-108668 (1-25)

```

QY 184 IleLysIleAlaAlaSerLeuLys 191
Db 1 ATCAAGATCGCTGCTCTCTAAAG 24
```

RESULT 9

```

US-11-121-849-108669
; Sequence 108669, Application US/11121849
; Publication No. US2005027080A1
; GENERAL INFORMATION:
; APPLICANT: John Palma
; TITLE OF INVENTION: Methods of Genetic Analysis of Formalin Fixed Paraffin Embedded S
; FILE REFERENCE: 3684.1
; CURRENT APPLICATION NUMBER: US/11/121,849
```

```
; CURRENT FILING DATE: 2005-05-03
; PRIOR APPLICATION NUMBER: 60/567,949
; PRIOR FILING DATE: 2004-05-03
; NUMBER OF SEQ ID NOS: 673904
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 108669
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-11-121-849-108669

Alignment Scores:
Pred. No.: 8.14 Length: 25
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 12 Gaps: 0

US-10-030-937-9 (1-193) x US-11-121-849-108669 (1-25)

Qy 186 IleAlaIaSerLeuLysGlyIle 193
Db 1 ATCGCTGCCTCTCTAAAGGGCATA 24

RESULT 10
US-11-124-368A-6788
; Sequence 6788, Application US/11124368A
; Publication No. US20050287559A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; APPLICANT: James J. Devlin
; APPLICANT: May Luke
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; FILE REFERENCE: CL001524
; CURRENT APPLICATION NUMBER: US/11/124,368A
; CURRENT FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,845
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/625,936
; PRIOR FILING DATE: 2004-11-09
; NUMBER OF SEQ ID NOS: 21112
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 6788
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-124-368A-6788

Alignment Scores:
Pred. No.: 71.7 Length: 201
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 12 Gaps: 0

US-10-030-937-9 (1-193) x US-11-124-368A-6788 (1-201)

Qy 183 CysIleLysIleAlaAlaSerLeu 190
Db 72 TGTATCAAAATAGCGCATCTCTT 95

RESULT 11
US-09-925-065A-48199
; Sequence 48199, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
```

```
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 48199
; LENGTH: 453
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-48199

Alignment Scores:
Pred. No.: 167 Length: 453
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 6 Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-48199 (1-453)

Qy 86 LeuGluLysGluValAlaGlyLeu 93
Db 271 CTGGAAGGAGTGGCCGGGTG 294

RESULT 12
US-09-925-065A-363696/C
; Sequence 363696, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 363696
; LENGTH: 496
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-363696

Alignment Scores:
Pred. No.: 184 Length: 496
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 6 Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-363696 (1-496)
```

QY 175 SerSerSerGlyLysArgLeuGly 182
|||||
Db 260 AGTTCCTCTGGGAAGAGATTGGGA 237

RESULT 13

US-09-925-065A-363697/c
; Sequence 363697, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 363697
; LENGTH: 496
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-363697

Alignment Scores:

| | | | |
|------------------------|--------|---------------|-----|
| Pred. No.: | 184 | Length: | 496 |
| Score: | 8.00 | Matches: | 8 |
| Percent Similarity: | 100.0% | Conservative: | 0 |
| Best Local Similarity: | 100.0% | Mismatches: | 0 |
| Query Match: | 4.1% | Indels: | 0 |
| DB: | 6 | Gaps: | 0 |

US-10-030-937-9 (1-193) x US-09-925-065A-363697 (1-496)

QY 175 SerSerSerGlyLysArgLeuGly 182
|||||
Db 260 AGTTCCTCTGGGAAGAGATTGGGA 237

RESULT 14

US-09-925-065A-363698/c
; Sequence 363698, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 363698
; LENGTH: 496
; TYPE: DNA

; ORGANISM: Homo sapiens
US-09-925-065A-363698

| | | | |
|------------------------|--------|---------------|-----|
| Alignment Scores: | 184 | Length: | 496 |
| Pred. No.: | 8.00 | Matches: | 8 |
| Score: | 100.0% | Conservative: | 0 |
| Percent Similarity: | 100.0% | Mismatches: | 0 |
| Best Local Similarity: | 100.0% | Indels: | 0 |
| Query Match: | 4.1% | Gaps: | 0 |
| DB: | 6 | | |

US-10-030-937-9 (1-193) x US-09-925-065A-363698 (1-496)

QY 175 SerSerSerGlyLysArgLeuGly 182
|||||
Db 260 AGTTCCTCTGGGAAGAGATTGGGA 237

RESULT 15

US-09-925-065A-342350/c
; Sequence 342350, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 342350
; LENGTH: 504
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-342350

Alignment Scores:

| | | | |
|------------------------|--------|---------------|-----|
| Pred. No.: | 187 | Length: | 504 |
| Score: | 8.00 | Matches: | 8 |
| Percent Similarity: | 100.0% | Conservative: | 0 |
| Best Local Similarity: | 100.0% | Mismatches: | 0 |
| Query Match: | 4.1% | Indels: | 0 |
| DB: | 6 | Gaps: | 0 |

US-10-030-937-9 (1-193) x US-09-925-065A-342350 (1-504)

QY 175 SerSerSerGlyLysArgLeuGly 182
|||||
Db 260 AGTTCCTCTGGGAAGAGATTGGGA 237

RESULT 16

US-09-925-065A-342353/c
; Sequence 342353, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24

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; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 342353
; LENGTH: 504
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-342353

Alignment Scores:
Pred. No.: 187      Length: 504
Score: 8.00      Matches: 8
Percent Similarity: 100.0%      Conservative: 0
Best Local Similarity: 100.0%      Mismatches: 0
Query Match: 4.1%      Indels: 0
DB: 6      Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-342353 (1-504)

Qy 175 SerSerSerGlyLysArgLeuGly 182
Db 260 AGTTCTCTGGGAAGAGATTGGGA 237

RESULT 17
US-09-925-065A-426529/c
; Sequence 426529, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 426529
; LENGTH: 513
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-426529

Alignment Scores:
Pred. No.: 191      Length: 513
Score: 8.00      Matches: 8
Percent Similarity: 100.0%      Conservative: 0
Best Local Similarity: 100.0%      Mismatches: 0
Query Match: 4.1%      Indels: 0
DB: 6      Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-426529 (1-513)

Qy 174 LeuSerSerGlyLysArgLeu 181
Db 332 CTTAGCTCTTCTGGTAAACGCGTG 309

RESULT 18
US-09-925-065A-426530/c
; Sequence 426530, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 426530
; LENGTH: 513
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-426530

Alignment Scores:
Pred. No.: 191      Length: 513
Score: 8.00      Matches: 8
Percent Similarity: 100.0%      Conservative: 0
Best Local Similarity: 100.0%      Mismatches: 0
Query Match: 4.1%      Indels: 0
DB: 6      Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-426530 (1-513)

Qy 174 LeuSerSerGlyLysArgLeu 181
Db 332 CTTAGCTCTTCTGGTAAACGCGTG 309

RESULT 19
US-09-925-065A-311390
; Sequence 311390, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 311390
; LENGTH: 516
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-311390

Alignment Scores:
```

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/ PRIOR APPLICATION NUMBER: US 60/261,766
/ PRIOR FILING DATE: 2001-01-16
/ PRIOR APPLICATION NUMBER: US 60/289,846
/ PRIOR FILING DATE: 2001-05-09
/ NUMBER OF SEQ ID NOS: 957086
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 515183
/ LENGTH: 531
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-09-925-065A-515183

Alignment Scores:
Pred. No.: 198 Length: 531
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 6 Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-311390 (1-516)

QY 71 SerThrSerValProLeuSerSer 78
Db 204 TCACATCTGTGCCCCCTGTCATCC 227

RESULT 20
US-09-925-065A-410117/c
/ Sequence 410117, Application US/09925065A
/ Publication No. US20040181048A1
/ GENERAL INFORMATION:
/ APPLICANT: Wang, David G.
/ TITLE OF INVENTION: Identification and Mapping of Single
/ FILE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
/ FILE REFERENCE: 108827.135
/ CURRENT APPLICATION NUMBER: US/09/925, 065A
/ CURRENT FILING DATE: 2001-08-08
/ PRIOR APPLICATION NUMBER: US 60/243,096
/ PRIOR FILING DATE: 2000-10-24
/ PRIOR APPLICATION NUMBER: US 60/252,147
/ PRIOR FILING DATE: 2000-11-20
/ PRIOR APPLICATION NUMBER: US 60/250,092
/ PRIOR FILING DATE: 2000-11-30
/ PRIOR APPLICATION NUMBER: US 60/261,766
/ PRIOR FILING DATE: 2001-01-16
/ PRIOR APPLICATION NUMBER: US 60/289,846
/ PRIOR FILING DATE: 2001-05-09
/ NUMBER OF SEQ ID NOS: 957086
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 410117
/ LENGTH: 523
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-09-925-065A-410117

Alignment Scores:
Pred. No.: 195 Length: 523
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 6 Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-410117 (1-523)

QY 144 ThrTySerLeuProLysSerGlu 151
Db 168 ACTTAGTTTACCAAAAGTGAA 145

RESULT 21
US-09-925-065A-515183
/ Sequence 515183, Application US/09925065A
/ Publication No. US20040181048A1
/ GENERAL INFORMATION:
/ APPLICANT: Wang, David G.
/ TITLE OF INVENTION: Identification and Mapping of Single
/ FILE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
/ FILE REFERENCE: 108827.135
/ CURRENT APPLICATION NUMBER: US/09/925, 065A
/ CURRENT FILING DATE: 2001-08-08
/ PRIOR APPLICATION NUMBER: US 60/243,096
/ PRIOR FILING DATE: 2000-10-24
/ PRIOR APPLICATION NUMBER: US 60/252,147
/ PRIOR FILING DATE: 2000-11-20
/ PRIOR APPLICATION NUMBER: US 60/250,092
/ PRIOR FILING DATE: 2000-11-30
/ PRIOR APPLICATION NUMBER: US 60/261,766
/ PRIOR FILING DATE: 2001-01-16
/ PRIOR APPLICATION NUMBER: US/09925065A
/ Publication 190128, Application US/09925065A
/ Sequence 190128, Application US/09925065A
/ Publication No. US20040181048A1
```

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/ PRIOR APPLICATION NUMBER: US 60/261,766
/ PRIOR FILING DATE: 2001-01-16
/ PRIOR APPLICATION NUMBER: US 60/289,846
/ PRIOR FILING DATE: 2001-05-09
/ NUMBER OF SEQ ID NOS: 957086
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 515183
/ LENGTH: 531
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-09-925-065A-515183

Alignment Scores:
Pred. No.: 198 Length: 531
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 6 Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-515183 (1-531)

QY 75 ProLeuSerSerProLeuLysVal 82
Db 447 CCTCTTCTCTCTCCCTTAAGGTT 470

RESULT 22
US-09-925-065A-410116/c
/ Sequence 410116, Application US/09925065A
/ Publication No. US20040181048A1
/ GENERAL INFORMATION:
/ APPLICANT: Wang, David G.
/ TITLE OF INVENTION: Identification and Mapping of Single
/ FILE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
/ FILE REFERENCE: 108827.135
/ CURRENT APPLICATION NUMBER: US/09/925, 065A
/ CURRENT FILING DATE: 2001-08-08
/ PRIOR APPLICATION NUMBER: US 60/243,096
/ PRIOR FILING DATE: 2000-10-24
/ PRIOR APPLICATION NUMBER: US 60/252,147
/ PRIOR FILING DATE: 2000-11-20
/ PRIOR APPLICATION NUMBER: US 60/250,092
/ PRIOR FILING DATE: 2000-11-30
/ PRIOR APPLICATION NUMBER: US 60/261,766
/ PRIOR FILING DATE: 2001-01-16
/ PRIOR APPLICATION NUMBER: US 60/289,846
/ PRIOR FILING DATE: 2001-05-09
/ NUMBER OF SEQ ID NOS: 957086
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 410116
/ LENGTH: 542
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-09-925-065A-410116

Alignment Scores:
Pred. No.: 202 Length: 542
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 6 Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-410116 (1-542)

QY 144 ThrTySerLeuProLysSerGlu 151
Db 202 ACTTAGTTTACCAAAAGTGAA 179

RESULT 23
US-09-925-065A-190128/c
/ Sequence 190128, Application US/09925065A
/ Publication No. US20040181048A1
```



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; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 190128
; LENGTH: 581
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-190128

Alignment Scores:
Pred. No.: 217 Length: 581
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 6 Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-190128 (1-581)

Qy 47 ValileArgSerLeuThrLeuGlu 54
|||||
Db 215 GTGATTAGGAGTCTCACTTTGGAA 192

RESULT 24
US-09-925-065A-439582
; Sequence 439582, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 439582
; LENGTH: 587
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-439582

Alignment Scores:
Pred. No.: 220 Length: 587
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0

Query Match: 4.1% Indels: 0
DB: 6 Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-439582 (1-587)

Qy 73 SerValProLeuSerSerProLeu 80
|||||
Db 416 TCTGTTCCTCTCTTCCCTCCTCTC 439

RESULT 25
US-09-925-065A-540332/c
; Sequence 540332, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 540332
; LENGTH: 594
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-540332

Alignment Scores:
Pred. No.: 222 Length: 594
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 6 Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-540332 (1-594)

Qy 13 LeuGlyLeuLeuLeuAlaThrPro 20
|||||
Db 173 CTAGGACTTCTGTGGCACTCCC 150

RESULT 26
US-09-925-065A-540333/c
; Sequence 540333, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 439582
; LENGTH: 587
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-439582

Alignment Scores:
Pred. No.: 220 Length: 587
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
```

```
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 540333
; LENGTH: 594
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-540333

Alignment Scores:
Pred. No.:      222      Length:      594
Score:          8.00     Matches:      8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:     4.1% Indels: 0
DB:              6      Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-540333 (1-594)

QY 13 LeuGlyLeuLeuLaThrPro 20
Db 173 CTAGGACTTCTGTTGGCACTCC 150

RESULT 27
US-09-925-065A-942407/c
; Sequence 942407, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-05-09
; PRIOR APPLICATION NUMBER: US 60/289,846
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 942407
; LENGTH: 594
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-942407

Alignment Scores:
Pred. No.:      222      Length:      594
Score:          8.00     Matches:      8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:     4.1% Indels: 0
DB:              6      Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-942407 (1-594)

QY 39 CysPheGluGlyLysAspProAla 46
Db 112 TGCTTTGAAGGGAAGGACCCAGCC 89

RESULT 28
US-09-925-065A-942408/c
; Sequence 942408, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; Nucleotide Polymorphisms in the Human Genome
```

```
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 942408
; LENGTH: 594
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-942408

Alignment Scores:
Pred. No.:      222      Length:      594
Score:          8.00     Matches:      8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:     4.1% Indels: 0
DB:              6      Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-942408 (1-594)

QY 39 CysPheGluGlyLysAspProAla 46
Db 112 TGCTTTGAAGGGAAGGACCCAGCC 89

RESULT 29
US-09-925-065A-945891/c
; Sequence 945891, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 945891
; LENGTH: 619
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-945891

Alignment Scores:
Pred. No.:      232      Length:      619
Score:          8.00     Matches:      8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:     4.1% Indels: 0
DB:              6      Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-945891 (1-619)
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Qy 172 SerValLeuSerSerGlyLys 179
Db 397 TCTGTTCTGAGCAGTTCTGGGAAG 374

RESULT 30
US-09-925-065A-947649/c
; Sequence 947649, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 947649
; LENGTH: 620
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-947649

Alignment Scores:
Pred. No.: 232 Length: 620
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservatives: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 6 Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-947649 (1-620)

Qy 172 SerValLeuSerSerGlyLys 179
Db 397 TCTGTTCTGAGCAGTTCTGGGAAG 374

RESULT 31
US-09-925-065A-945883
; Sequence 945883, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 945883
; LENGTH: 623

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; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-945883

Alignment Scores:
Pred. No.: 234 Length: 623
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservatives: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 6 Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-945883 (1-623)

Qy 172 SerValLeuSerSerGlyLys 179
Db 228 TCTGTTCTGAGCAGTTCTGGGAAG 251

RESULT 32
US-09-925-065A-911310
; Sequence 911310, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 911310
; LENGTH: 632
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-911310

Alignment Scores:
Pred. No.: 237 Length: 632
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservatives: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 6 Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-911310 (1-632)

Qy 29 SerGlnLeuSerSerPheSerTrp 36
Db 479 TCTCAGCTCTCTCTTTTCTCTGG 502

RESULT 33
US-09-925-065A-428741/c
; Sequence 428741, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096

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/ PRIOR FILING DATE: 2000-10-24
/ PRIOR APPLICATION NUMBER: US 60/252,147
/ PRIOR FILING DATE: 2000-11-20
/ PRIOR APPLICATION NUMBER: US 60/250,092
/ PRIOR FILING DATE: 2000-11-30
/ PRIOR APPLICATION NUMBER: US 60/261,766
/ PRIOR FILING DATE: 2001-01-16
/ PRIOR APPLICATION NUMBER: US 60/289,846
/ PRIOR FILING DATE: 2001-05-09
/ NUMBER OF SEQ ID NOS: 957086
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 428741
/ LENGTH: 635
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-09-925-065A-428741

Alignment Scores:
Pred. No.: 238 Length: 635
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 6 Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-428741 (1-635)

QY 136 CysHisCysProPhelysGluGly 143
|||
Db 114 TGCCACTGTCCTTTAAAGAGGA 91

RESULT 34
US-09-925-065A-177255/c
/ Sequence 177255, Application US/09925065A
/ Publication No. US20040181048A1
/ GENERAL INFORMATION:
/ APPLICANT: Wang, David G.
/ TITLE OF INVENTION: Identification and Mapping of Single
/ FILE REFERENCE: 108827-135
/ CURRENT APPLICATION NUMBER: US/09/925,065A
/ CURRENT FILING DATE: 2001-08-08
/ PRIOR APPLICATION NUMBER: US 60/243,096
/ PRIOR FILING DATE: 2000-10-24
/ PRIOR APPLICATION NUMBER: US 60/252,147
/ PRIOR FILING DATE: 2000-11-20
/ PRIOR APPLICATION NUMBER: US 60/250,092
/ PRIOR FILING DATE: 2000-11-30
/ PRIOR APPLICATION NUMBER: US 60/261,766
/ PRIOR FILING DATE: 2001-01-16
/ PRIOR APPLICATION NUMBER: US 60/289,846
/ PRIOR FILING DATE: 2001-05-09
/ NUMBER OF SEQ ID NOS: 957086
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 177255
/ LENGTH: 648
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-09-925-065A-177255

Alignment Scores:
Pred. No.: 243 Length: 648
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 6 Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-177255 (1-648)

QY 74 valproleuSerSerProleuLys 81
|||||
Db 558 GTCCCACTTCTTCACCTCTCAAA 535
```

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RESULT 35
US-10-986-501-56
/ Sequence 56, Application US/10986501
/ Publication No. US20050244845A1
/ GENERAL INFORMATION:
/ APPLICANT: Ruben et al.
/ TITLE OF INVENTION: 90 Human Secreted Proteins
/ FILE REFERENCE: P2013P2C1
/ CURRENT APPLICATION NUMBER: US/10/986,501
/ CURRENT FILING DATE: 2004-11-12
/ PRIOR APPLICATION NUMBER: US/10/621,363
/ PRIOR FILING DATE: 2003-07-18
/ PRIOR APPLICATION NUMBER: 09/969,730
/ PRIOR FILING DATE: 2001-10-06
/ PRIOR APPLICATION NUMBER: 09/774,639
/ PRIOR FILING DATE: 2001-02-01
/ PRIOR APPLICATION NUMBER: 60/238,291
/ PRIOR FILING DATE: 2000-10-06
/ PRIOR APPLICATION NUMBER: 09/244,112
/ PRIOR FILING DATE: 1999-02-04
/ PRIOR APPLICATION NUMBER: PCT/US98/16235
/ PRIOR FILING DATE: 1998-08-04
/ PRIOR APPLICATION NUMBER: 60/056,371
/ PRIOR FILING DATE: 1997-08-19
/ PRIOR APPLICATION NUMBER: 60/056,732
/ PRIOR FILING DATE: 1997-08-19
/ PRIOR APPLICATION NUMBER: 60/056,366
/ PRIOR FILING DATE: 1997-08-19
/ PRIOR APPLICATION NUMBER: 60/056,364
/ PRIOR FILING DATE: 1997-08-19
/ Remaining Prior Application data removed - See File Wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 373
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 56
/ LENGTH: 711
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-10-986-501-56

Alignment Scores:
Pred. No.: 268 Length: 711
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 8 Gaps: 0

US-10-030-937-9 (1-193) x US-10-986-501-56 (1-711)

QY 69 ValGlySerThrSerValProleu 76
|||||
Db 361 GTGGGGTCCACCTCTGTCCTCTG 384

RESULT 36
US-10-750-185-30052/c
/ Sequence 30052, Application US/10750185
/ Publication No. US20050260603A1
/ GENERAL INFORMATION:
/ APPLICANT: MMI GENOMICS, INC.
/ APPLICANT: DENISE, Sue K.
/ APPLICANT: KERR, Richard
/ APPLICANT: ROSENFELD, David
/ APPLICANT: HOLM, Tom
/ APPLICANT: BATES, Stephen
/ APPLICANT: FANTIN, Dennis
/ TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
/ FILE REFERENCE: MM1100-2
/ CURRENT APPLICATION NUMBER: US/10/750,185
/ CURRENT FILING DATE: 2003-12-31
/ PRIOR APPLICATION NUMBER: US 60/437,482
/ PRIOR FILING DATE: 2002-12-31
/ NUMBER OF SEQ ID NOS: 64922
```

```
; SOFTWARE: PatentIN version 3.1
; SEQ ID NO 30052
; LENGTH: 717
; TYPE: DNA
; ORGANISM: Bovine 19866880773751
US-10-750-185-30052

Alignment Scores:
Pred. No.: 270 Length: 717
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 0 Gaps: 0

US-10-030-937-9 (1-193) x US-10-750-185-30052 (1-717)

Qy 174 LeuSerSerGlyLysArgLeu 181
Db 472 TTAAGCAGCTCTGGGAAAAGGCTT 449

RESULT 37
US-10-750-623-30052/c
; Sequence 30052, Application US/10750623
; Publication No. US20050287531A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM1100-1
; CURRENT APPLICATION NUMBER: US/10750.623
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIN version 3.1
; SEQ ID NO 30052
; LENGTH: 717
; TYPE: DNA
; ORGANISM: Bovine 19866880773751
US-10-750-623-30052

Alignment Scores:
Pred. No.: 270 Length: 717
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 0 Gaps: 0

US-10-030-937-9 (1-193) x US-10-750-623-30052 (1-717)

Qy 174 LeuSerSerGlyLysArgLeu 181
Db 472 TTAAGCAGCTCTGGGAAAAGGCTT 449

RESULT 38
US-09-925-065A-87117/c
; Sequence 87117, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925.065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
```

```
; SOFTWARE: PatentIN version 3.1
; SEQ ID NO 30052
; LENGTH: 717
; TYPE: DNA
; ORGANISM: Bovine 19866880773751
US-10-750-185-30052

Alignment Scores:
Pred. No.: 270 Length: 717
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 0 Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-87117 (1-731)

Qy 75 ProLeuSerProLeuLysVal 82
Db 347 CCTCTTCTCTCCCTTAAGGTT 324

RESULT 39
US-09-925-065A-87118/c
; Sequence 87118, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925.065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 87118
; LENGTH: 731
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-87118

Alignment Scores:
Pred. No.: 276 Length: 731
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 0 Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-87118 (1-731)

Qy 75 ProLeuSerProLeuLysVal 82
Db 347 CCTCTTCTCTCCCTTAAGGTT 324
```

RESULT 40
US-09-925-065A-87119/c
; Sequence 87119, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 87119
; LENGTH: 731
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-87119

Alignment Scores:
Pred. No.: 276 Length: 731
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: LENGTH: 761 Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-87119 (1-731)

QY 75 ProLeuSerSerProLeuLysVal 82
Db 347 CCTCTTCTTCCTCCCTTAAGGTT 324

RESULT 41
US-11-128-061-58
; Sequence 58, Application US/11128061
; Publication No. US20060003958A1
; GENERAL INFORMATION:
; APPLICANT: Melville, Mark W.
; APPLICANT: Charlebois, Timothy S.
; APPLICANT: Mounts, William M.
; APPLICANT: Hann, Louane E.
; APPLICANT: Sinacore, Martin S.
; APPLICANT: Leonard, Mark W.
; APPLICANT: Brown, Eugene L.
; APPLICANT: Miller, Christopher P.
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES RELATED TO OLIGONUCLEOTIDE ARRAYS
; FILE REFERENCE: 01997.027701
; CURRENT APPLICATION NUMBER: US/11/128,061
; CURRENT FILING DATE: 2005-05-11
; PRIOR APPLICATION NUMBER: US 60/570,425
; PRIOR FILING DATE: 2004-05-11
; NUMBER OF SEQ ID NOS: 7285
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 58
; LENGTH: 761
; TYPE: DNA
; ORGANISM: Cricetulus griseus
US-11-128-061-58

Alignment Scores:

Pred. No.: 288 Length: 761
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: LENGTH: 761 Gaps: 0

US-10-030-937-9 (1-193) x US-11-128-061-58 (1-761)

QY 16 LeuLeuAlaThrProAlaGlnAla 23
Db 5 CTTTGGCCACCCAGCT 28

RESULT 42

US-11-128-049-58
; Sequence 58, Application US/11128049
; Publication No. US20060010513A1
; GENERAL INFORMATION:
; APPLICANT: Melville, Mark W.
; APPLICANT: Charlebois, Timothy S.
; APPLICANT: Mounts, William M.
; APPLICANT: Hann, Louane E.
; APPLICANT: Sinacore, Martin S.
; APPLICANT: Leonard, Mark W.
; APPLICANT: Brown, Eugene L.
; APPLICANT: Miller, Christopher P.
; TITLE OF INVENTION: OLIGONUCLEOTIDE ARRAYS TO MONITOR GENE EXPRESSION AND METHODS FOR
; FILE REFERENCE: 01997.027700
; CURRENT APPLICATION NUMBER: US/11/128,049
; CURRENT FILING DATE: 2005-05-11
; PRIOR APPLICATION NUMBER: US 60/570,425
; PRIOR FILING DATE: 2004-05-11
; NUMBER OF SEQ ID NOS: 7285
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 58
; LENGTH: 761
; TYPE: DNA
; ORGANISM: Cricetulus griseus
US-11-128-049-58

Alignment Scores:
Pred. No.: 288 Length: 761
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: LENGTH: 761 Gaps: 0

US-10-030-937-9 (1-193) x US-11-128-049-58 (1-761)

QY 16 LeuLeuAlaThrProAlaGlnAla 23
Db 5 CTTTGGCCACCCAGCT 28

RESULT 43

US-09-925-065A-4076
; Sequence 4076, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766


```
DB:                                     6          Gaps: 0
US-10-030-937-9 (1-193) x US-09-925-065A-4079 (1-1035)
QY 170 IleGluSerValLeuSerSer 177
DB 675 ATTGAATCTGTACTTTCTTCCAGT 698

RESULT 47
US-09-925-065A-87106
; Sequence 87106, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 87106
; LENGTH: 1035
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-87106

Alignment Scores:
Pred. No.: 397          Length: 1035
Score: 8.00           Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1%      Indels: 0
DB: 6          Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-87106 (1-1035)
QY 170 IleGluSerValLeuSerSer 177
DB 675 ATTGAATCTGTACTTTCTTCCAGT 698

RESULT 48
US-09-925-065A-87107
; Sequence 87107, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
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; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 87107
; LENGTH: 1035
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-87107

Alignment Scores:
Pred. No.: 397          Length: 1035
Score: 8.00           Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1%      Indels: 0
DB: 6          Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-87107 (1-1035)
QY 170 IleGluSerValLeuSerSer 177
DB 675 ATTGAATCTGTACTTTCTTCCAGT 698

RESULT 49
US-10-750-185-25958/c
; Sequence 25958, Application US/10750185
; Publication No. US20050260603A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM1100-2
; CURRENT APPLICATION NUMBER: US/10/750,185
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 25958
; LENGTH: 1216
; TYPE: DNA
; ORGANISM: Bovine 19866880765757
US-10-750-185-25958

Alignment Scores:
Pred. No.: 470          Length: 1216
Score: 8.00           Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1%      Indels: 0
DB: 8          Gaps: 0

US-10-030-937-9 (1-193) x US-10-750-185-25958 (1-1216)
QY 73 SerValProLeuSerSerProLeu 80
DB 445 TCTGTTCCTCTCTCTCTCCATC 422

RESULT 50
US-10-750-623-25958/c
; Sequence 25958, Application US/10750623
; Publication No. US20050287531A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
```



```

; TITLE OF INVENTION: METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM1100-1
; CURRENT APPLICATION NUMBER: US/10/750,623
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIN version 3.1
; SEQ ID NO 25958
; LENGTH: 1216
; TYPE: DNA
; ORGANISM: Bovine 19866880765757
US-10-750-623-25958

Alignment Scores:
Pred. No.: 470 Length: 1216
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 8 Gaps: 0

US-10-030-937-9 (1-193) x US-10-750-623-25958 (1-1216)

Qy 73 SerValProLeuSerSerProLeu 80
Db 445 TCTGTTCCCTCTCCTCTCCACTC 422

RESULT 51
US-09-925-065A-70037
; Sequence 70037, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 70037
; LENGTH: 1243
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-70037

Alignment Scores:
Pred. No.: 480 Length: 1243
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 6 Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-70037 (1-1243)

Qy 85 ValLeuGluLysGluValAlaGly 92
Db 845 GTGCTAGAGAAAGAGTGGCTGGA 868

RESULT 52
US-10-750-185-53107

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; Sequence 53107, Application US/10750185
; Publication No. US20050260603A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM1100-2
; CURRENT APPLICATION NUMBER: US/10/750,185
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIN version 3.1
; SEQ ID NO 53107
; LENGTH: 1268
; TYPE: DNA
; ORGANISM: Bovine 19866881179510
US-10-750-185-53107

Alignment Scores:
Pred. No.: 490 Length: 1268
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 8 Gaps: 0

US-10-030-937-9 (1-193) x US-10-750-185-53107 (1-1268)

Qy 49 ArgSerLeuThrLeuGluProAsp 56
Db 1007 AGAAGTTTGACTTTGGAGCCAGAC 1030

RESULT 53
US-10-750-623-53107
; Sequence 53107, Application US/10750623
; Publication No. US20050287531A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM1100-1
; CURRENT APPLICATION NUMBER: US/10/750,623
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIN version 3.1
; SEQ ID NO 53107
; LENGTH: 1268
; TYPE: DNA
; ORGANISM: Bovine 19866881179510
US-10-750-623-53107

Alignment Scores:
Pred. No.: 490 Length: 1268
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 8 Gaps: 0

US-10-030-937-9 (1-193) x US-10-750-623-53107 (1-1268)

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QY 49 ArgSerLeuThrLeuGluProAsp 56
|||||
Db 1007 AGAAGTTTGACTTTGGAGCCAGAC 1030

RESULT 54
US-09-925-065A-47291
; Sequence 47291, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 47291
; LENGTH: 1683
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-47291

Alignment Scores:
Pred. No.: 659 Length: 1683
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 6 Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-47291 (1-1683)
QY 28 ProSerGlnLeuSerPheSer 35
|||||
Db 445 CCCTCCCAATTATCTTCCTCTCT 468

RESULT 56
US-09-925-065A-719938
; Sequence 719938, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 719938
; LENGTH: 1942
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 1221
; OTHER INFORMATION: n = A,T,C or G
US-09-925-065A-719938

Alignment Scores:
Pred. No.: 765 Length: 1942
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 6 Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-719938 (1-1942)
QY 29 SerGlnLeuSerPheSerTirp 36
|||||
Db 642 TCCCAACTCAGCAGCTTCCTCTCG 665

RESULT 57
US-09-925-065A-674609/c
; Sequence 674609, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; Nucleotide Polymorphisms in the Human Genome
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; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925.065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 674609
; LENGTH: 2408
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-674609

Alignment Scores:
Pred. No.: 958 Length: 2408
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 6 Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-674609 (1-2408)

Qy 16 LeuLeuAlaThrProAlaGlnAla 23
Db 1255 TTGCTGCGACTCCAGCCCGCC 1232

RESULT 58
US-11-075-047A-112/c
; Sequence 112, Application US/11075047A
; Publication No. US20060030000A1
; GENERAL INFORMATION:
; APPLICANT: ALITALO, et al.
; TITLE OF INVENTION: GROWTH FACTOR BINDING CONSTRUCTS MATERIALS AND METHODS
; FILE REFERENCE: 28967/39700A
; CURRENT APPLICATION NUMBER: US/11/075,047A
; CURRENT FILING DATE: 2005-03-07
; PRIOR APPLICATION NUMBER: US 60/550,907
; PRIOR FILING DATE: 2004-03-07
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 112
; LENGTH: 2772
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(2772)
US-11-075-047A-112

Alignment Scores:
Pred. No.: 1.11e+03 Length: 2772
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 9 Gaps: 0

US-10-030-937-9 (1-193) x US-11-075-047A-112 (1-2772)

Qy 153 AlaValProAspLeuGluLeuPro 160
Db 1560 GCTGTACCCGATCTTGAACCTCCT 1537

RESULT 59
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925.065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 674609
; LENGTH: 2408
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-674609

Alignment Scores:
Pred. No.: 958 Length: 2408
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 6 Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-674609 (1-2408)

Qy 16 LeuLeuAlaThrProAlaGlnAla 23
Db 1255 TTGCTGCGACTCCAGCCCGCC 1232

RESULT 58
US-11-075-047A-112/c
; Sequence 112, Application US/11075047A
; Publication No. US20060030000A1
; GENERAL INFORMATION:
; APPLICANT: ALITALO, et al.
; TITLE OF INVENTION: GROWTH FACTOR BINDING CONSTRUCTS MATERIALS AND METHODS
; FILE REFERENCE: 28967/39700A
; CURRENT APPLICATION NUMBER: US/11/075,047A
; CURRENT FILING DATE: 2005-03-07
; PRIOR APPLICATION NUMBER: US 60/550,907
; PRIOR FILING DATE: 2004-03-07
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 112
; LENGTH: 2772
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(2772)
US-11-075-047A-112

Alignment Scores:
Pred. No.: 1.11e+03 Length: 2772
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 9 Gaps: 0

US-10-030-937-9 (1-193) x US-11-075-047A-112 (1-2772)

Qy 153 AlaValProAspLeuGluLeuPro 160
Db 1560 GCTGTACCCGATCTTGAACCTCCT 1537

RESULT 59
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/11245147
; Publication No. US20060030541A1
; GENERAL INFORMATION:
; APPLICANT: GARCIA, TERESA
; APPLICANT: ROMAN ROMAN, SERGIO
; APPLICANT: BARON, ROLAND
; APPLICANT: CALL, KATHERINE
; APPLICANT: THEILHABER, JOACHIM
; APPLICANT: CONNOLLY, TIMOTHY
; APPLICANT: JACKSON, AMANDA
; APPLICANT: BUSHNELL, STEVEN
; APPLICANT: RAWADI, GEORGES
; TITLE OF INVENTION: GENES INVOLVED IN OSTEOGENESIS, AND METHODS OF USE
; FILE REFERENCE: 37991-0023
; CURRENT APPLICATION NUMBER: US/11/245,147
; CURRENT FILING DATE: 2005-10-07
; PRIOR APPLICATION NUMBER: PCT/IB02/02211
; PRIOR FILING DATE: 2002-04-05
; PRIOR APPLICATION NUMBER: 60/281,400
; PRIOR FILING DATE: 2001-04-05
; NUMBER OF SEQ ID NOS: 246
; SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO 187
; LENGTH: 2899
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Homo sapiens TGFB inducible early growth response
; OTHER INFORMATION: (TIEG), mRNA
US-11-245-147-187

Alignment Scores:
Pred. No.: 1.16e+03 Length: 2899
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 9 Gaps: 0

US-10-030-937-9 (1-193) x US-11-245-147-187 (1-2899)

Qy 71 SerThrSerValProLeuSerSer 78
Db 128 TCAACTTCGGTGCCTCTCTCCAGC 151

RESULT 60
US-10-821-234-328
; Sequence 328, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pt_seq_genes Version 1.0
; SEQ ID NO 328
; LENGTH: 3120
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-821-234-328

Alignment Scores:
Pred. No.: 1.26e+03 Length: 3120
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0

```

Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 8 Gaps: 0

US-10-030-937-9 (1-193) x US-10-821-234-328 (1-3120)

QY 86 LeuGluYsGluValaIaGlyLeu 93
|||||
DB 891 CTGGAAGAGGAGTGGCGGGTTG 914

RESULT 61
US-11-136-527-2356
; Sequence 2356, Application US/11136527
; Publication No. US20050287570A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Mounts, William M
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
; FILE REFERENCE: 031896-041000 (AM101086)
; CURRENT APPLICATION NUMBER: US/11/136,527
; CURRENT FILING DATE: 2005-05-25
; PRIOR APPLICATION NUMBER: US 60/574,294
; PRIOR FILING DATE: 2005-05-26
; NUMBER OF SEQ ID NOS: 362830
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2356
; LENGTH: 3260
; TYPE: DNA
; ORGANISM: Rattus norvegicus

US-11-136-527-2356

Alignment Scores:
Pred. No.: 1.31e+03 Length: 3260
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 12 Gaps: 0

US-10-030-937-9 (1-193) x US-11-136-527-2356 (1-3260)

QY 26 LysLysProSerGlnLeuSerSer 33
|||||
DB 1082 AAGAAACCATCACAGTCTCTTCA 1105

RESULT 62
US-11-127-832-12
; Sequence 12, Application US/11127832
; Publication No. US20060008884A1
; GENERAL INFORMATION:
; APPLICANT: Hearing, Patrick
; APPLICANT: Bahou, Wadie
; APPLICANT: Sandalon, Ziv
; APPLICANT: Gnatenko, Dmitri
; TITLE OF INVENTION: Adenoviral Vectors
; FILE REFERENCE: STONYB-04970
; CURRENT APPLICATION NUMBER: US/11/127,832
; CURRENT FILING DATE: 2005-05-12
; PRIOR APPLICATION NUMBER: US/09/782,378
; PRIOR FILING DATE: 2001-02-12
; PRIOR APPLICATION NUMBER: 60/237,747
; PRIOR FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 12
; LENGTH: 36741
; TYPE: DNA
; ORGANISM: Homo sapiens

US-11-127-832-12

Alignment Scores:
Pred. No.: 1.65e+04 Length: 36741
Score: 8.00 Matches: 8

Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 12 Gaps: 0

US-10-030-937-9 (1-193) x US-11-127-832-12 (1-36741)

QY 10 LeuileAlaLeuGlyLeuLeu 17
|||||
DB 13133 CTCATAGCACCTTGGTCTGCTCTT 13156

RESULT 63
US-11-112-908-36
; Sequence 36, Application US/11112908
; Publication No. US20050260659A1
; GENERAL INFORMATION:
; APPLICANT: Harris, Cole
; APPLICANT: Davis, Lisa M.
; TITLE OF INVENTION: Breast Cancer Biomarkers
; FILE REFERENCE: 04-164-US
; CURRENT APPLICATION NUMBER: US/11/112,908
; CURRENT FILING DATE: 2005-04-22
; PRIOR APPLICATION NUMBER: US 60/564,758
; PRIOR FILING DATE: 2004-04-23
; PRIOR APPLICATION NUMBER: US 60/575,978
; PRIOR FILING DATE: 2004-06-01
; PRIOR APPLICATION NUMBER: US 60/631,702
; PRIOR FILING DATE: 2004-11-30
; PRIOR APPLICATION NUMBER: US 60/633,826
; PRIOR FILING DATE: 2004-12-07
; NUMBER OF SEQ ID NOS: 511
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 36
; LENGTH: 98345
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (49350)..(49350)
; OTHER INFORMATION: n is a, c, g, or t

US-11-112-908-36

Alignment Scores:
Pred. No.: 4.61e+04 Length: 98345
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 12 Gaps: 0

US-10-030-937-9 (1-193) x US-11-112-908-36 (1-98345)

QY 108 PheGluHisPheCysAspValLeu 115
|||||
DB 18350 TTGAACACTTTGTGACGTTTG 18373

RESULT 64
US-10-310-914A-678003/c
; Sequence 678003, Application US/10310914A
; Publication No. US20060003322A1
; GENERAL INFORMATION:
; APPLICANT: Bentwich, Isaac
; APPLICANT: Shiler, Kvuzaat
; TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and
; FILE REFERENCE: 06087.0200.CPUS01
; CURRENT APPLICATION NUMBER: US/10/310,914A
; CURRENT FILING DATE: 2002-12-06
; NUMBER OF SEQ ID NOS: 1388402
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 678003
; LENGTH: 23
; TYPE: RNA

; ORGANISM: Human
US-10-310-914A-678003
Alignment Scores:
Pred. No.: 88.7 Length: 23
Score: 7.00 Matches: 7
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 3.6% Indels: 0
DB: 8 Gaps: 0
US-10-030-937-9 (1-193) x US-10-310-914A-678003 (1-23)

Qy 15 LeuLeuLeuAlaThrProAla 21
Db 22 CTCTCTGGCCACCCTGCT 2

RESULT 65

US-10-310-914A-813490/c
; Sequence 813490, Application US/10310914A
; Publication No. US20060003322A1
; GENERAL INFORMATION:
; APPLICANT: Bentwich, Isaac
; APPLICANT: Shiller, Kruzat
; TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and
; FILE REFERENCE: 06087.0200.CPUS01
; CURRENT APPLICATION NUMBER: US/10/310.914A
; CURRENT FILING DATE: 2002-12-06
; NUMBER OF SEQ ID NOS: 1388402
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 813490
; LENGTH: 24
; TYPE: RNA
; ORGANISM: Human
US-10-310-914A-813490

Alignment Scores:
Pred. No.: 92.8 Length: 24
Score: 7.00 Matches: 7
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 3.6% Indels: 0
DB: 8 Gaps: 0
US-10-030-937-9 (1-193) x US-10-310-914A-813490 (1-24)

Qy 13 LeuGlyLeuLeuLeuAlaThr 19
Db 22 CTGGGCTCTCTCTTGCCACC 2

RESULT 66

US-11-121-849-591268
; Sequence 591268, Application US/11121849
; Publication No. US2005027080A1
; GENERAL INFORMATION:
; APPLICANT: John Palma
; TITLE OF INVENTION: Methods of Genetic Analysis of Formalin Fixed Paraffin Embedded S
; FILE REFERENCE: 3684.1
; CURRENT APPLICATION NUMBER: US/11/121.849
; CURRENT FILING DATE: 2005-05-03
; PRIOR APPLICATION NUMBER: 60/567,949
; PRIOR FILING DATE: 2004-05-03
; NUMBER OF SEQ ID NOS: 673904
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 591268
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-11-121-849-591268

Alignment Scores:

Pred. No.: 96.8 Length: 25
Score: 7.00 Matches: 7
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 3.6% Indels: 0
DB: 12 Gaps: 0

US-10-030-937-9 (1-193) x US-11-121-849-591268 (1-25)

Qy 170 IleGluSerValLeuSerSer 176
Db 3 ATTGAATCTGTGTTAAGCTCT 23

RESULT 67

US-11-136-527-144375
; Sequence 144375, Application US/11136527
; Publication No. US20050287570A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Mounts, William M
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
; FILE REFERENCE: 031896-041000 (AM101086)
; CURRENT APPLICATION NUMBER: US/11/136.527
; CURRENT FILING DATE: 2005-05-25
; PRIOR APPLICATION NUMBER: US 60/574,294
; PRIOR FILING DATE: 2005-05-26
; NUMBER OF SEQ ID NOS: 362830
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 144375
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Probe
US-11-136-527-144375

Alignment Scores:
Pred. No.: 96.8 Length: 25
Score: 7.00 Matches: 7
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 3.6% Indels: 0
DB: 12 Gaps: 0
US-10-030-937-9 (1-193) x US-11-136-527-144375 (1-25)

Qy 171 GluSerValLeuSerSerSer 177
Db 1 GAGTCAGTCTGTCTTCCAGT 21

RESULT 68

US-11-136-527-144394
; Sequence 144394, Application US/11136527
; Publication No. US20050287570A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Mounts, William M
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
; FILE REFERENCE: 031896-041000 (AM101086)
; CURRENT APPLICATION NUMBER: US/11/136.527
; CURRENT FILING DATE: 2005-05-25
; PRIOR APPLICATION NUMBER: US 60/574,294
; PRIOR FILING DATE: 2005-05-26
; NUMBER OF SEQ ID NOS: 362830
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 144394
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Probe
US-11-136-527-144394

Alignment Scores:
Pred. No.: 96.8 Length: 25
Score: 7.00 Matches: 7
Percent Similarity: 100.0% Conservatives: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 3.6% Indels: 0
DB: 12 Gaps: 0

US-10-030-937-9 (1-193) x US-11-136-527-144394 (1-25)

QY 171 GluSerValLeuSerSer 177
Db 2 GAGTCAGTCTCTGCTTCCAGT 22

RESULT 69

US-11-136-527-218553/c
; Sequence 218553, Application US/11136527
; Publication No. US20050287570A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Mounts, William M
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
; FILE REFERENCE: 031896-041000 (AM101086)
; CURRENT APPLICATION NUMBER: US/11/136,527
; CURRENT FILING DATE: 2005-05-25
; PRIOR APPLICATION NUMBER: US 60/574,294
; PRIOR FILING DATE: 2005-05-26
; NUMBER OF SEQ ID NOS: 362830
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 218553
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Probe
US-11-136-527-218553

Alignment Scores:
Pred. No.: 96.8 Length: 25
Score: 7.00 Matches: 7
Percent Similarity: 100.0% Conservatives: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 3.6% Indels: 0
DB: 12 Gaps: 0

US-10-030-937-9 (1-193) x US-11-136-527-218553 (1-25)

QY 32 SerSerPheSerTrpAsp 38
Db 25 TCCAGTTTCTCTGGGACAAT 5

RESULT 70

US-11-136-527-218586/c
; Sequence 218586, Application US/11136527
; Publication No. US20050287570A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Mounts, William M
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
; FILE REFERENCE: 031896-041000 (AM101086)
; CURRENT APPLICATION NUMBER: US/11/136,527
; CURRENT FILING DATE: 2005-05-25
; PRIOR APPLICATION NUMBER: US 60/574,294
; PRIOR FILING DATE: 2005-05-26
; NUMBER OF SEQ ID NOS: 362830
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 218586
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Probe
US-11-136-527-218586

Alignment Scores:
Pred. No.: 96.8 Length: 25
Score: 7.00 Matches: 7
Percent Similarity: 100.0% Conservatives: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 3.6% Indels: 0
DB: 12 Gaps: 0

US-10-030-937-9 (1-193) x US-11-136-527-218586 (1-25)

QY 32 SerSerPheSerTrpAsp 38
Db 21 TCCAGTTTCTCTGGGACAAT 1

RESULT 71

US-11-136-527-349660
; Sequence 349660, Application US/11136527
; Publication No. US20050287570A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Mounts, William M
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
; FILE REFERENCE: 031896-041000 (AM101086)
; CURRENT APPLICATION NUMBER: US/11/136,527
; CURRENT FILING DATE: 2005-05-25
; PRIOR APPLICATION NUMBER: US 60/574,294
; PRIOR FILING DATE: 2005-05-26
; NUMBER OF SEQ ID NOS: 362830
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 349660
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Probe
US-11-136-527-349660

Alignment Scores:
Pred. No.: 96.8 Length: 25
Score: 7.00 Matches: 7
Percent Similarity: 100.0% Conservatives: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 3.6% Indels: 0
DB: 12 Gaps: 0

US-10-030-937-9 (1-193) x US-11-136-527-349660 (1-25)

QY 171 GluSerValLeuSerSer 177
Db 3 GAGTCAGTCTCTGCTTCCAGT 23

RESULT 72

US-11-136-527-349669
; Sequence 349669, Application US/11136527
; Publication No. US20050287570A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Mounts, William M
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
; FILE REFERENCE: 031896-041000 (AM101086)
; CURRENT APPLICATION NUMBER: US/11/136,527
; CURRENT FILING DATE: 2005-05-25
; PRIOR APPLICATION NUMBER: US 60/574,294
; PRIOR FILING DATE: 2005-05-26
; NUMBER OF SEQ ID NOS: 362830
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 349669
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Probe
US-11-136-527-349669

US-11-136-527-349669

Alignment Scores:
 Pred. No.: 96.8 Length: 25
 Score: 7.00 Matches: 7
 Percent Similarity: 100.0% Conservative: 0
 Best Local Similarity: 100.0% Mismatches: 0
 Query Match: 3.6% Indels: 0
 DB: 12 Gaps: 0

US-10-030-937-9 (1-193) x US-11-136-527-349669 (1-25)

Qy 171 GluSerValLeuSerSer 177
 Db 1 GAGTCAGTCCTGCTTTCAGT 21

RESULT 73

US-11-175-859-98025/c
 ; Sequence 98025, Application US/11175859
 ; Publication No. US20060024715A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Affymetrix, Inc.
 ; APPLICANT: Liu, Guoying et al.
 ; TITLE OF INVENTION: Method of Analysis of Human Polymorphism
 ; FILE REFERENCE: 3690.1
 ; CURRENT APPLICATION NUMBER: US/11/175,859
 ; CURRENT FILING DATE: 2005-07-05
 ; PRIOR APPLICATION NUMBER: US 60/585,352
 ; PRIOR FILING DATE: 2004-07-02
 ; NUMBER OF SEQ ID NOS: 116251
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO 98025
 ; LENGTH: 50
 ; TYPE: DNA
 ; ORGANISM: homo sapien
 US-11-175-859-98025

Alignment Scores:
 Pred. No.: 200 Length: 50
 Score: 7.00 Matches: 7
 Percent Similarity: 100.0% Conservative: 0
 Best Local Similarity: 100.0% Mismatches: 0
 Query Match: 3.6% Indels: 0
 DB: 12 Gaps: 0

US-10-030-937-9 (1-193) x US-11-175-859-98025 (1-50)

Qy 86 LeuGluLysGluValAlaGly 92
 Db 47 TTGGAGAAAGAGGTGGCAGGT 27

RESULT 74

US-10-310-914A-18536
 ; Sequence 18536, Application US/10310914A
 ; Publication No. US2006000322A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Bentwich, Isaac
 ; APPLICANT: Shiler, Krizat
 ; TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and uses thereof
 ; FILE REFERENCE: 06087.0200.CFUS01
 ; CURRENT APPLICATION NUMBER: US/10/310,914A
 ; CURRENT FILING DATE: 2002-12-06
 ; NUMBER OF SEQ ID NOS: 1388402
 ; SOFTWARE: PatentIn version 3.3
 ; SEQ ID NO 18536
 ; LENGTH: 89
 ; TYPE: RNA
 ; ORGANISM: Human
 US-10-310-914A-18536

Alignment Scores:
 Pred. No.: 364 Length: 89

Score: 7.00 Matches: 7
 Percent Similarity: 100.0% Conservative: 0
 Best Local Similarity: 100.0% Mismatches: 0
 Query Match: 3.6% Indels: 0
 DB: 8 Gaps: 0

US-10-030-937-9 (1-193) x US-10-310-914A-18536 (1-89)

Qy 73 SerValProLeuSerSerPro 79
 Db 38 UCAGUUCACUGUCCUCCACCU 58

RESULT 75

US-11-098-686-145/c
 ; Sequence 145, Application US/11098686
 ; Publication No. US20060024696A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Kapur, Vivek and Gebhart, Connie J.
 ; TITLE OF INVENTION: NUCLEIC ACID AND POLYPEPTIDE SEQUENCES
 ; TITLE OF INVENTION: FROM LAWSONIA INTRACELLULARIS AND METHODS OF USING
 ; FILE REFERENCE: 09531-128001
 ; CURRENT APPLICATION NUMBER: US/11/098,686
 ; CURRENT FILING DATE: 2005-04-04
 ; PRIOR APPLICATION NUMBER: PCT/US03/31318
 ; PRIOR FILING DATE: 2003-10-01
 ; PRIOR APPLICATION NUMBER: US 60/416,395
 ; PRIOR FILING DATE: 2002-10-04
 ; NUMBER OF SEQ ID NOS: 11433
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 145
 ; LENGTH: 200
 ; TYPE: DNA
 ; ORGANISM: Lawsonia intracellularis
 US-11-098-686-145

Alignment Scores:
 Pred. No.: 849 Length: 200
 Score: 7.00 Matches: 7
 Percent Similarity: 100.0% Conservative: 0
 Best Local Similarity: 100.0% Mismatches: 0
 Query Match: 3.6% Indels: 0
 DB: 12 Gaps: 0

US-10-030-937-9 (1-193) x US-11-098-686-145 (1-200)

Qy 105 SerCysThrPheGluHisPhe 111
 Db 191 TCATGTACCTTTGACATTTT 171

RESULT 76

US-11-098-686-1602
 ; Sequence 1602, Application US/11098686
 ; Publication No. US20060024696A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Kapur, Vivek and Gebhart, Connie J.
 ; TITLE OF INVENTION: NUCLEIC ACID AND POLYPEPTIDE SEQUENCES
 ; TITLE OF INVENTION: FROM LAWSONIA INTRACELLULARIS AND METHODS OF USING
 ; FILE REFERENCE: 09531-128001
 ; CURRENT APPLICATION NUMBER: US/11/098,686
 ; CURRENT FILING DATE: 2005-04-04
 ; PRIOR APPLICATION NUMBER: PCT/US03/31318
 ; PRIOR FILING DATE: 2003-10-01
 ; PRIOR APPLICATION NUMBER: US 60/416,395
 ; PRIOR FILING DATE: 2002-10-04
 ; NUMBER OF SEQ ID NOS: 11433
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 1602
 ; LENGTH: 200
 ; TYPE: DNA
 ; ORGANISM: Lawsonia intracellularis
 US-11-098-686-1602

Alignment Scores:

Pred. No.: 849 Length: 200
Score: 7.00 Matches: 7
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 3.6% Indels: 0
DB: 12 Gaps: 0

US-10-030-937-9 (1-193) x US-11-098-686-1602 (1-200)

QY 26 LysLysProSerGlnLeuSer 32

Db 60 AAAAGCCTTCACAGCTATCA 80

RESULT 77

US-11-098-686-2531/c

; Sequence 2531, Application US/11098686

; Publication No. US20060024696A1

; GENERAL INFORMATION:

; APPLICANT: Kapur, Vivek and Gebhart, Connie J.

; TITLE OF INVENTION: NUCLEIC ACID AND POLYPEPTIDE SEQUENCES

; FILE OF INVENTION: FROM LAWSONIA INTRACELLULARIS AND METHODS OF USING

; FILE REFERENCE: 09531-128001

; CURRENT APPLICATION NUMBER: US/11/098,686

; CURRENT FILING DATE: 2005-04-04

; PRIOR APPLICATION NUMBER: PCT/US03/31318

; PRIOR FILING DATE: 2003-10-01

; PRIOR APPLICATION NUMBER: US 60/416,395

; PRIOR FILING DATE: 2002-10-04

; NUMBER OF SEQ ID NOS: 11433

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 2531

; LENGTH: 200

; TYPE: DNA

; ORGANISM: Lawsonia intracellularis

US-11-098-686-2531

Alignment Scores:
Pred. No.: 849 Length: 200
Score: 7.00 Matches: 7
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 3.6% Indels: 0
DB: 12 Gaps: 0

US-10-030-937-9 (1-193) x US-11-098-686-2531 (1-200)

QY 66 LeuSerValValGlySerThr 72

Db 149 TTGTCCGTGGTAGGTTGCACT 129

RESULT 78

US-11-098-686-5868/c

; Sequence 5868, Application US/11098686

; Publication No. US20060024696A1

; GENERAL INFORMATION:

; APPLICANT: Kapur, Vivek and Gebhart, Connie J.

; TITLE OF INVENTION: NUCLEIC ACID AND POLYPEPTIDE SEQUENCES

; FILE OF INVENTION: FROM LAWSONIA INTRACELLULARIS AND METHODS OF USING

; FILE REFERENCE: 09531-128001

; CURRENT APPLICATION NUMBER: US/11/098,686

; CURRENT FILING DATE: 2005-04-04

; PRIOR APPLICATION NUMBER: PCT/US03/31318

; PRIOR FILING DATE: 2003-10-01

; PRIOR APPLICATION NUMBER: US 60/416,395

; PRIOR FILING DATE: 2002-10-04

; NUMBER OF SEQ ID NOS: 11433

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 5868

; LENGTH: 200

; TYPE: DNA

; ORGANISM: Lawsonia intracellularis

US-11-098-686-5868

Alignment Scores:
Pred. No.: 849 Length: 200
Score: 7.00 Matches: 7
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 3.6% Indels: 0
DB: 12 Gaps: 0

US-10-030-937-9 (1-193) x US-11-098-686-5868 (1-200)

QY 26 LysLysProSerGlnLeuSer 32

Db 109 AAAAACCTAGTCACTTCT 89

RESULT 79

US-10-995-561-32467

; Sequence 32467, Application US/10995561

; Publication No. US20050272054A1

; GENERAL INFORMATION:

; APPLICANT: CARGILL, Michele et al.

; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH

; FILE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF

; TITLE OF INVENTION: DETECTION AND USES THEREOF

; FILE REFERENCE: CL001559

; CURRENT APPLICATION NUMBER: US/10/995,561

; CURRENT FILING DATE: 2004-11-24

; NUMBER OF SEQ ID NOS: 85702

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 32467

; LENGTH: 201

; TYPE: DNA

; ORGANISM: Homo sapiens

US-10-995-561-32467

Alignment Scores:
Pred. No.: 853 Length: 201
Score: 7.00 Matches: 7
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 3.6% Indels: 0
DB: 8 Gaps: 0

US-10-030-937-9 (1-193) x US-10-995-561-32467 (1-201)

QY 49 ArgSerLeuThrLeuGluPro 55

Db 6 AGGTCCCTAACACTGGAGCCA 26

RESULT 80

US-10-995-561-32909/c

; Sequence 32909, Application US/10995561

; Publication No. US20050272054A1

; GENERAL INFORMATION:

; APPLICANT: CARGILL, Michele et al.

; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH

; FILE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF

; TITLE OF INVENTION: DETECTION AND USES THEREOF

; FILE REFERENCE: CL001559

; CURRENT APPLICATION NUMBER: US/10/995,561

; CURRENT FILING DATE: 2004-11-24

; NUMBER OF SEQ ID NOS: 85702

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 32909

; LENGTH: 201

; TYPE: DNA

; ORGANISM: Homo sapiens

US-10-995-561-32909

Alignment Scores:
Pred. No.: 853 Length: 201
Score: 7.00 Matches: 7
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0


```
US-10-995-561-44668/c
; Sequence 44668, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 44668
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-44668

Alignment Scores:
Pred. No.:      853      Length:      201
Score:          7.00     Matches:      7
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:     3.6%   Indels:      0
DB:              8      Gaps:       0

US-10-030-937-9 (1-193) x US-10-995-561-44668 (1-201)

QY  7 AlaProfeuleulealateu 13
Db  54 GCCCCCTCTTGATAGCGTTG 34

RESULT 86
US-11-124-368A-18774/c
; Sequence 18774, Application US/11124368A
; Publication No. US20050287559A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; APPLICANT: James J. Devlin
; APPLICANT: May Luke
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; TITLE OF INVENTION: Vascular Diseases, Methods of Detection and Uses Thereof
; FILE REFERENCE: CL001524
; CURRENT APPLICATION NUMBER: US/11/124,368A
; CURRENT FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,845
; PRIOR FILING DATE: 2004-05-07
; PRIOR FILING DATE: 2004-11-09
; NUMBER OF SEQ ID NOS: 21112
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 18774
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-124-368A-18774

Alignment Scores:
Pred. No.:      853      Length:      201
Score:          7.00     Matches:      7
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:     3.6%   Indels:      0
DB:              12      Gaps:       0

US-10-030-937-9 (1-193) x US-11-124-368A-18774 (1-201)

QY  176 SerSerGlyLysArgLeuGly 182
Db  55 AGCAGCGGTAAGAGGCTGGGG 35

RESULT 87
US-11-124-368A-18774/c
; Sequence 18774, Application US/11124368A
; Publication No. US20050287559A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; APPLICANT: James J. Devlin
; APPLICANT: May Luke
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; TITLE OF INVENTION: Vascular Diseases, Methods of Detection and Uses Thereof
; FILE REFERENCE: CL001524
; CURRENT APPLICATION NUMBER: US/11/124,368A
; CURRENT FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,845
; PRIOR FILING DATE: 2004-05-07
; PRIOR FILING DATE: 2004-11-09
; NUMBER OF SEQ ID NOS: 21112
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 18774
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-124-368A-18774

Alignment Scores:
Pred. No.:      853      Length:      201
Score:          7.00     Matches:      7
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:     3.6%   Indels:      0
DB:              12      Gaps:       0

US-10-030-937-9 (1-193) x US-11-124-368A-18774 (1-201)

QY  176 SerSerGlyLysArgLeuGly 182
Db  55 AGCAGCGGTAAGAGGCTGGGG 35

RESULT 87
US-11-124-368A-19022/c
; Sequence 19022, Application US/11124368A
; Publication No. US20050287559A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; APPLICANT: James J. Devlin
; APPLICANT: May Luke
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; TITLE OF INVENTION: Vascular Diseases, Methods of Detection and Uses Thereof
; FILE REFERENCE: CL001524
; CURRENT APPLICATION NUMBER: US/11/124,368A
; CURRENT FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,845
; PRIOR FILING DATE: 2004-05-07
; PRIOR FILING DATE: 2004-11-09
; NUMBER OF SEQ ID NOS: 21112
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 19022
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-124-368A-19022

Alignment Scores:
Pred. No.:      853      Length:      201
Score:          7.00     Matches:      7
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:     3.6%   Indels:      0
DB:              12      Gaps:       0

US-10-030-937-9 (1-193) x US-11-124-368A-19022 (1-201)

QY  176 SerSerGlyLysArgLeuGly 182
Db  143 AGCAGCGGTAAGAGGCTGGGG 123

RESULT 88
US-11-124-368A-19023/c
; Sequence 19023, Application US/11124368A
; Publication No. US20050287559A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; APPLICANT: James J. Devlin
; APPLICANT: May Luke
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; TITLE OF INVENTION: Vascular Diseases, Methods of Detection and Uses Thereof
; FILE REFERENCE: CL001524
; CURRENT APPLICATION NUMBER: US/11/124,368A
; CURRENT FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,845
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/625,936
; PRIOR FILING DATE: 2004-11-09
; NUMBER OF SEQ ID NOS: 21112
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 19023
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-124-368A-19023

Alignment Scores:
Pred. No.:      853      Length:      201
Score:          7.00     Matches:      7
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:     3.6%   Indels:      0
DB:              12      Gaps:       0

US-10-030-937-9 (1-193) x US-11-124-368A-19023 (1-201)
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Qy 176 SerSerGlyLysArgLeuGly 182
Db 139 AGCAGCGGTAAAGCGCTGGGG 119

RESULT 89
US-11-124-367A-13095/c
; Sequence 13095, Application US/11124367A
; Publication No. US20060024700A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; TITLE OF INVENTION: Fibrosis Methods of Detection and Uses Thereof
; FILE REFERENCE: CL001519.ORD
; CURRENT APPLICATION NUMBER: US/11/124,367A
; PRIOR FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,846
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/582,609
; PRIOR FILING DATE: 2004-06-25
; PRIOR APPLICATION NUMBER: US 60/599,554
; PRIOR FILING DATE: 2004-08-09
; NUMBER OF SEQ ID NOS: 34460
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13095
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-124-367A-13095

Alignment Scores:
Pred. No.: 853 Length: 201
Score: 7.00 Matches: 7
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 3.6% Indels: 0
DB: 12 Gaps: 0

US-10-030-937-9 (1-193) x US-11-124-367A-13095 (1-201)

Qy 29 SerGlnLeuSerSerPheSer 35
Db 128 TCACAACCTAAGCTCTTTTCT 108

RESULT 90
US-11-124-367A-16110
; Sequence 16110, Application US/11124367A
; Publication No. US20060024700A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; TITLE OF INVENTION: Fibrosis Methods of Detection and Uses Thereof
; FILE REFERENCE: CL001519.ORD
; CURRENT APPLICATION NUMBER: US/11/124,367A
; CURRENT FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,846
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/582,609
; PRIOR FILING DATE: 2004-06-25
; PRIOR APPLICATION NUMBER: US 60/599,554
; PRIOR FILING DATE: 2004-08-09
; NUMBER OF SEQ ID NOS: 34460
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16110
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-124-367A-16110

Alignment Scores:
Pred. No.: 853 Length: 201
Score: 7.00 Matches: 7
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 3.6% Indels: 0
DB: 12 Gaps: 0

```

```

Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 3.6% Indels: 0
DB: 12 Gaps: 0

US-10-030-937-9 (1-193) x US-11-124-367A-16110 (1-201)

Qy 16 LeuLeuAlaThrProAlaGln 22
Db 12 CTGCTGGCCACACCTGGCGAG 32

RESULT 91
US-11-124-367A-18373
; Sequence 18373, Application US/11124367A
; Publication No. US20060024700A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; TITLE OF INVENTION: Fibrosis Methods of Detection and Uses Thereof
; FILE REFERENCE: CL001519.ORD
; CURRENT APPLICATION NUMBER: US/11/124,367A
; CURRENT FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,846
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/582,609
; PRIOR FILING DATE: 2004-06-25
; PRIOR APPLICATION NUMBER: US 60/599,554
; PRIOR FILING DATE: 2004-08-09
; NUMBER OF SEQ ID NOS: 34460
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 18373
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-124-367A-18373

Alignment Scores:
Pred. No.: 853 Length: 201
Score: 7.00 Matches: 7
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 3.6% Indels: 0
DB: 12 Gaps: 0

US-10-030-937-9 (1-193) x US-11-124-367A-18373 (1-201)

Qy 171 GluSerValLeuSerSerSer 177
Db 124 GAATCGGTGCTGTCCAGCAGC 144

RESULT 92
US-11-124-367A-21720/c
; Sequence 21720, Application US/11124367A
; Publication No. US20060024700A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; TITLE OF INVENTION: Fibrosis Methods of Detection and Uses Thereof
; FILE REFERENCE: CL001519.ORD
; CURRENT APPLICATION NUMBER: US/11/124,367A
; CURRENT FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,846
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/582,609
; PRIOR FILING DATE: 2004-06-25
; PRIOR APPLICATION NUMBER: US 60/599,554
; PRIOR FILING DATE: 2004-08-09
; NUMBER OF SEQ ID NOS: 34460
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 21720
; LENGTH: 201

```

```
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-124-367A-21720
Alignment Scores:
Pred. No.: 853 Length: 201
Score: 7.00 Matches: 7
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 3.6% Indels: 0
DB: 12 Gaps: 0

US-10-030-937-9 (1-193) x US-11-124-367A-21720 (1-201)
QY 73 SerValProLeuSerPro 79
Db 66 TCGTTCCCTCAGCTCTCCG 46

RESULT 93
US-11-124-367A-21721/c
; Sequence 21721, Application US/11124367A
; Publication No. US20060024700A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; FILE REFERENCE: CL001519.ORD
; CURRENT APPLICATION NUMBER: US/11/124,367A
; PRIOR FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,846
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/582,609
; PRIOR FILING DATE: 2004-06-25
; PRIOR APPLICATION NUMBER: US 60/599,554
; PRIOR FILING DATE: 2004-08-09
; NUMBER OF SEQ ID NOS: 34460
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 21721
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-124-367A-21721
Alignment Scores:
Pred. No.: 853 Length: 201
Score: 7.00 Matches: 7
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 3.6% Indels: 0
DB: 12 Gaps: 0

US-10-030-937-9 (1-193) x US-11-124-367A-21721 (1-201)
QY 73 SerValProLeuSerPro 79
Db 99 TCGTTCCCTCAGCTCTCCG 79

RESULT 94
US-11-124-367A-21722/c
; Sequence 21722, Application US/11124367A
; Publication No. US20060024700A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; FILE REFERENCE: CL001519.ORD
; CURRENT APPLICATION NUMBER: US/11/124,367A
; PRIOR FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,846
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/582,609
; PRIOR FILING DATE: 2004-06-25
; PRIOR APPLICATION NUMBER: US 60/599,554
; PRIOR FILING DATE: 2004-08-09
; NUMBER OF SEQ ID NOS: 34460
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 21722
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-124-367A-21722
Alignment Scores:
Pred. No.: 853 Length: 201
Score: 7.00 Matches: 7
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 3.6% Indels: 0
DB: 12 Gaps: 0

US-10-030-937-9 (1-193) x US-11-124-367A-21722 (1-201)
QY 73 SerValProLeuSerPro 79
Db 141 TCGTTCCCTCAGCTCTCCG 121

RESULT 95
US-11-124-367A-21723/c
; Sequence 21723, Application US/11124367A
; Publication No. US20060024700A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; FILE REFERENCE: CL001519.ORD
; CURRENT APPLICATION NUMBER: US/11/124,367A
; PRIOR FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,846
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/582,609
; PRIOR FILING DATE: 2004-06-25
; PRIOR APPLICATION NUMBER: US 60/599,554
; PRIOR FILING DATE: 2004-08-09
; NUMBER OF SEQ ID NOS: 34460
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 21723
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-124-367A-21723
Alignment Scores:
Pred. No.: 853 Length: 201
Score: 7.00 Matches: 7
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 3.6% Indels: 0
DB: 12 Gaps: 0

US-10-030-937-9 (1-193) x US-11-124-367A-21723 (1-201)
QY 73 SerValProLeuSerPro 79
Db 143 TCGTTCCCTCAGCTCTCCG 123

RESULT 96
US-11-124-367A-21724/c
; Sequence 21724, Application US/11124367A
; Publication No. US20060024700A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
```

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; TITLE OF INVENTION: Fibrosis Methods of Detection and Uses Thereof
; FILE REFERENCE: CL001519.ORD
; CURRENT APPLICATION NUMBER: US/11/124,367A
; CURRENT FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,846
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/582,609
; PRIOR FILING DATE: 2004-06-25
; PRIOR APPLICATION NUMBER: US 60/599,554
; PRIOR FILING DATE: 2004-08-09
; NUMBER OF SEQ ID NOS: 34460
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 21724
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-124-367A-21724

Alignment Scores:
Pred. No.: 853          Length: 201
Score: 7.00           Matches: 7
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 3.6%      Indels: 0
DB: 12                Gaps: 0

US-10-030-937-9 (1-193) x US-11-124-367A-21724 (1-201)
Qy 73 SerValProLeuSerPro 79
Db 156 TCGGTTCCCTCAGCTCTCCG 136

RESULT 97
US-11-124-367A-21725/c
; Sequence 21725, Application US/11124367A
; Publication No. US20060024700A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; APPLICANT: Hongjin Huang
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; FILE REFERENCE: CL001519.ORD
; CURRENT APPLICATION NUMBER: US/11/124,367A
; CURRENT FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,846
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/582,609
; PRIOR FILING DATE: 2004-06-25
; PRIOR APPLICATION NUMBER: US 60/599,554
; PRIOR FILING DATE: 2004-08-09
; NUMBER OF SEQ ID NOS: 34460
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 21725
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-124-367A-21725

Alignment Scores:
Pred. No.: 853          Length: 201
Score: 7.00           Matches: 7
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 3.6%      Indels: 0
DB: 12                Gaps: 0

US-10-030-937-9 (1-193) x US-11-124-367A-21725 (1-201)
Qy 73 SerValProLeuSerPro 79
Db 157 TCGGTTCCCTCAGCTCTCCG 137

RESULT 98
```

```
US-11-124-367A-21726/c
; Sequence 21726, Application US/11124367A
; Publication No. US20060024700A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; APPLICANT: Hongjin Huang
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; FILE REFERENCE: CL001519.ORD
; CURRENT APPLICATION NUMBER: US/11/124,367A
; CURRENT FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,846
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/582,609
; PRIOR FILING DATE: 2004-06-25
; PRIOR APPLICATION NUMBER: US 60/599,554
; PRIOR FILING DATE: 2004-08-09
; NUMBER OF SEQ ID NOS: 34460
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 21726
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-124-367A-21726

Alignment Scores:
Pred. No.: 853          Length: 201
Score: 7.00           Matches: 7
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 3.6%      Indels: 0
DB: 12                Gaps: 0

US-10-030-937-9 (1-193) x US-11-124-367A-21726 (1-201)
Qy 73 SerValProLeuSerPro 79
Db 195 TCGGTTCCCTCAGCTCTCCG 175

RESULT 99
US-11-124-367A-28433/c
; Sequence 28433, Application US/11124367A
; Publication No. US20060024700A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; APPLICANT: Hongjin Huang
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; FILE REFERENCE: CL001519.ORD
; CURRENT APPLICATION NUMBER: US/11/124,367A
; CURRENT FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,846
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/582,609
; PRIOR FILING DATE: 2004-06-25
; PRIOR APPLICATION NUMBER: US 60/599,554
; PRIOR FILING DATE: 2004-08-09
; NUMBER OF SEQ ID NOS: 34460
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 28433
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-124-367A-28433

Alignment Scores:
Pred. No.: 853          Length: 201
Score: 7.00           Matches: 7
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 3.6%      Indels: 0
DB: 12                Gaps: 0
```

US-10-030-937-9 (1-193) x US-11-124-367A-28433 (1-201)

QY 7 AlaProLeuLeuAlaLeu 13
|||||
Db 132 GCCCCCTCTTGATAGGTTG 112

RESULT 100

US-11-124-367A-30645/c
; Sequence 30645, Application US/11124367A
; Publication No. US20060024700A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; APPLICANT: Hongjin Huang
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; TITLE OF INVENTION: Fibrosis Methods of Detection and Uses Thereof
; FILE REFERENCE: CL001519.ORD
; CURRENT APPLICATION NUMBER: US/11/124,367A
; CURRENT FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,846
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/582,609
; PRIOR FILING DATE: 2004-06-25
; PRIOR APPLICATION NUMBER: US 60/599,554
; PRIOR FILING DATE: 2004-08-09
; NUMBER OF SEQ ID NOS: 34460
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 30645
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-124-367A-30645

Alignment Scores:
Pred. No.: 853 Length: 201
Score: 7.00 Matches: 7
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 3.6% Indels: 0
DB: 12 Gaps: 0

US-10-030-937-9 (1-193) x US-11-124-367A-30645 (1-201)

QY 7 AlaProLeuLeuAlaLeu 13
|||||
Db 54 GCCCCCTCTTGATAGGTTG 34

Search completed: February 16, 2006, 14:05:26
Job time : 483 secs

GenCore version 5.1.7
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - nucleic search, using frame_plus_p2n model

Run on: February 16, 2006, 13:35:10 ; Search time 207 Seconds

(without alignments)
1657.340 Million cell updates/sec

Title: US-10-030-937-9

Perfect score: 193

Sequence: 1 MQSLMQAPLIALGLLLATP.....LSSSGKRLGCIKIAASLKGI 193

Scoring table:

OLIGO
Xgapop 60.0 , Xgapext 60.0
Ygapop 60.0 , Ygapext 60.0
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 1303057 seqs, 888780828 residues

Word size: 1

Total number of hits satisfying chosen parameters: 2599977

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 150 summaries

Command line parameters:

-MODE=frame+ p2n.model -DEV=xlp
-Q=/abs/ABSSWEB.spool/US10030937/runat 15022006 055744 6296/app query.fasta 1
-DB=/abs/Issued Patents NA -OPMT=fastap -SUFFIX=oligo.rnri -MINMATCH=0.1 -LOOPCL=0
-LOOPEXT=0 -UNITS=bits -START=1 -END=1 -MATRIX=oligo -TRANS=human40 cdi
-LIST=150 -DOCALLIGN=200 -THR SCORE=quality -THR_MIN=1 -ALIGN=100 -MODE=LOCAL
-OUTFMT=ptc -NORM=ext -HEAPSIZ=500 -MINLEN=0 -MAXLEN=2000000000 -HOST=abs06p
-USR=US10030937 @CGN 1.1 230 @runat 15022006 055744 6296 -NCPUS=6 -ICPU=3
-NO MMAP -NEG SCORES=0 -WAIT -DSPBLOCK=100 -LONGLOG -DEV TIMEOUT=120
-WARN TIMEOUT=30 -THREADS=1 -XGAPOP=60 -XGAPEXT=60 -FGAPOP=6 -FGAPEXT=7
-YGAPOP=60 -YGAPEXT=60 -DELOP=6 -DELEXT=7

Database :

Issued Patents_NA.*
1: /cgn2_6/ptodata/1/ina/1 COMB.seq.*
2: /cgn2_6/ptodata/1/ina/5 COMB.seq.*
3: /cgn2_6/ptodata/1/ina/6A COMB.seq.*
4: /cgn2_6/ptodata/1/ina/6B COMB.seq.*
5: /cgn2_6/ptodata/1/ina/H COMB.seq.*
6: /cgn2_6/ptodata/1/ina/PCFUS COMB.seq.*
7: /cgn2_6/ptodata/1/ina/PP COMB.seq.*
8: /cgn2_6/ptodata/1/ina/RE COMB.seq.*
9: /cgn2_6/ptodata/1/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description |
|------------|-------|-------------|--------|----|--------------------|
| 1 | 10 | 5.2 | 1089 | 3 | US-09-902-540-4802 |
| 2 | 10 | 5.2 | 29103 | 3 | US-09-902-540-1236 |
| 3 | 9 | 4.7 | 787 | 3 | US-08-961-083-97 |
| 4 | 9 | 4.7 | 787 | 3 | US-09-536-784-97 |
| 5 | 9 | 4.7 | 787 | 3 | US-09-765-271-97 |
| 6 | 9 | 4.7 | 787 | 3 | US-09-765-272A-97 |
| 7 | 9 | 4.7 | 811 | 3 | US-08-961-083-205 |
| 8 | 9 | 4.7 | 811 | 3 | US-09-536-784-205 |
| 9 | 9 | 4.7 | 811 | 3 | US-09-765-271-205 |
| | | | | | Sequence 4802, Ap |
| | | | | | Sequence 1236, Ap |
| | | | | | Sequence 97, Appl |
| | | | | | Sequence 97, Appl |
| | | | | | Sequence 205, App |
| | | | | | Sequence 205, App |
| | | | | | Sequence 205, App |

| | | | | |
|-----|--------|---|----------------------|--------------------|
| 4.7 | 811 | 3 | US-09-765-272A-205 | Sequence 205, App |
| 4.7 | 876 | 3 | US-09-583-110-1540 | Sequence 1540, App |
| 4.7 | 987 | 3 | US-09-107-433-715 | Sequence 715, App |
| 4.7 | 12127 | 3 | US-08-961-527-148 | Sequence 148, App |
| 4.7 | 48794 | 3 | US-09-949-016-15637 | Sequence 15637, A |
| 4.1 | 462 | 3 | US-09-252-991A-546 | Sequence 546, App |
| 4.1 | 601 | 3 | US-09-949-016-39132 | Sequence 39132, A |
| 4.1 | 601 | 3 | US-09-949-016-53584 | Sequence 53584, A |
| 4.1 | 601 | 3 | US-09-949-016-61592 | Sequence 61592, A |
| 4.1 | 601 | 3 | US-09-949-016-61593 | Sequence 61593, A |
| 4.1 | 601 | 3 | US-09-949-016-61714 | Sequence 61714, A |
| 4.1 | 601 | 3 | US-09-949-016-61715 | Sequence 61715, A |
| 4.1 | 601 | 3 | US-09-949-016-84688 | Sequence 84688, A |
| 4.1 | 601 | 3 | US-09-949-016-91993 | Sequence 91993, A |
| 4.1 | 601 | 3 | US-09-949-016-91994 | Sequence 91994, A |
| 4.1 | 601 | 3 | US-09-949-016-158399 | Sequence 158399, A |
| 4.1 | 601 | 3 | US-09-949-016-158400 | Sequence 158400, A |
| 4.1 | 711 | 3 | US-09-774-639-24 | Sequence 24, Appl |
| 4.1 | 858 | 3 | US-09-252-991A-3981 | Sequence 3981, Ap |
| 4.1 | 1314 | 3 | US-09-252-991A-7168 | Sequence 7168, Ap |
| 4.1 | 1335 | 3 | US-09-252-991A-3925 | Sequence 3925, Ap |
| 4.1 | 1395 | 3 | US-09-711-164-270 | Sequence 270, App |
| 4.1 | 1395 | 3 | US-09-492-709A-121 | Sequence 121, App |
| 4.1 | 1456 | 3 | US-09-308-406-1 | Sequence 1, Appli |
| 4.1 | 1458 | 3 | US-09-252-991A-4015 | Sequence 4015, Ap |
| 4.1 | 1482 | 3 | US-09-252-991A-4050 | Sequence 4050, Ap |
| 4.1 | 1605 | 3 | US-09-252-991A-3897 | Sequence 3897, Ap |
| 4.1 | 1677 | 3 | US-09-252-991A-7476 | Sequence 7476, Ap |
| 4.1 | 1692 | 3 | US-09-252-991A-7219 | Sequence 7219, Ap |
| 4.1 | 2223 | 3 | US-09-320-878-20 | Sequence 20, Appl |
| 4.1 | 2401 | 3 | US-09-657-440-20 | Sequence 20, Appl |
| 4.1 | 2401 | 3 | US-09-793-708-20 | Sequence 20, Appl |
| 4.1 | 2401 | 3 | US-09-105-537-23 | Sequence 23, Appl |
| 4.1 | 2430 | 3 | US-08-936-135-1 | Sequence 1, Appli |
| 4.1 | 2772 | 3 | US-09-439-711C-1 | Sequence 1, Appli |
| 4.1 | 2772 | 2 | US-08-570-227A-1 | Sequence 1, Appli |
| 4.1 | 2881 | 3 | US-09-077-991-1 | Sequence 1, Appli |
| 4.1 | 3125 | 3 | US-09-949-016-1081 | Sequence 1081, Ap |
| 4.1 | 3241 | 3 | US-09-434-288-11 | Sequence 11, Appl |
| 4.1 | 4523 | 3 | US-09-692-401-1 | Sequence 1, Appli |
| 4.1 | 5035 | 2 | US-08-616-392C-3 | Sequence 3, Appli |
| 4.1 | 5653 | 3 | US-09-583-638-1 | Sequence 1, Appli |
| 4.1 | 6774 | 3 | US-09-674-460-1 | Sequence 1, Appli |
| 4.1 | 8282 | 3 | US-09-949-016-15199 | Sequence 15199, A |
| 4.1 | 9035 | 3 | US-09-902-540-1084 | Sequence 1084, Ap |
| 4.1 | 11105 | 3 | US-09-949-016-13218 | Sequence 13218, A |
| 4.1 | 11914 | 3 | US-09-105-537-3 | Sequence 3, Appli |
| 4.1 | 12914 | 3 | US-09-949-016-14626 | Sequence 14626, A |
| 4.1 | 12914 | 3 | US-09-949-016-14627 | Sequence 14627, A |
| 4.1 | 21914 | 3 | US-09-949-016-14732 | Sequence 14732, A |
| 4.1 | 21914 | 3 | US-09-949-016-14733 | Sequence 14733, A |
| 4.1 | 23106 | 3 | US-09-863-049B-1 | Sequence 1, Appli |
| 4.1 | 35064 | 3 | US-09-949-016-12778 | Sequence 12778, A |
| 4.1 | 35065 | 3 | US-09-949-016-13196 | Sequence 13196, A |
| 4.1 | 36180 | 3 | US-09-949-016-11745 | Sequence 11745, A |
| 4.1 | 36181 | 3 | US-09-949-016-16163 | Sequence 16163, A |
| 4.1 | 36741 | 3 | US-09-301-665-3 | Sequence 3, Appli |
| 4.1 | 36741 | 3 | US-09-782-378A-12 | Sequence 12, Appl |
| 4.1 | 46718 | 3 | US-09-816-093-3 | Sequence 3, Appli |
| 4.1 | 57392 | 3 | US-09-949-016-12070 | Sequence 12070, A |
| 4.1 | 57402 | 3 | US-09-949-016-13293 | Sequence 13293, A |
| 4.1 | 62386 | 3 | US-09-949-016-12823 | Sequence 12823, A |
| 4.1 | 83617 | 3 | US-09-949-016-12254 | Sequence 12254, A |
| 4.1 | 145287 | 3 | US-09-949-016-13530 | Sequence 13530, A |
| 4.1 | 145287 | 3 | US-09-949-016-13531 | Sequence 13531, A |
| 4.1 | 222691 | 3 | US-09-949-016-15842 | Sequence 15842, A |
| 4.1 | 222691 | 3 | US-09-949-016-15842 | Sequence 15842, A |
| 4.1 | 25405 | 3 | US-09-949-016-14381 | Sequence 14381, A |
| 4.1 | 321022 | 3 | US-09-949-016-11852 | Sequence 11852, A |
| 4.1 | 321022 | 3 | US-09-949-016-14166 | Sequence 14166, A |
| 4.1 | 336024 | 3 | US-09-949-016-12373 | Sequence 12373, A |

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c 83 8 4.1 343352 3 US-09-949-016-13498
84 8 4.1 4403765 3 US-09-103-840A-2
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86 7 3.6 25 3 US-09-396-196G-9178
87 7 3.6 25 3 US-09-396-196G-36003
88 7 3.6 25 3 US-09-396-196G-36004
89 7 3.6 25 3 US-09-396-196G-79253
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91 7 3.6 25 3 US-09-396-196G-107252
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95 7 3.6 27 3 US-08-584-040-472
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97 7 3.6 27 3 US-08-584-040-6526
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99 7 3.6 27 3 US-09-401-063-1452
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101 7 3.6 50 3 US-09-999-833A-344
102 7 3.6 50 3 US-10-020-445A-344
103 7 3.6 168 3 US-09-270-767-2637
104 7 3.6 168 3 US-09-270-767-17919
105 7 3.6 216 3 US-09-583-110-2496
106 7 3.6 219 3 US-09-248-796A-9276
107 7 3.6 219 3 US-09-513-999C-1652
108 7 3.6 241 3 US-09-196-522-265
109 7 3.6 241 3 US-09-196-522-265
110 7 3.6 249 3 US-09-107-433-1683
111 7 3.6 252 3 US-09-489-039A-6939
112 7 3.6 257 3 US-09-313-294A-3676
113 7 3.6 266 3 US-09-389-681-405
114 7 3.6 266 3 US-09-620-405B-405
115 7 3.6 266 3 US-09-433-826B-405
116 7 3.6 266 3 US-09-604-287A-405
117 7 3.6 266 3 US-09-834-759-405
118 7 3.6 266 3 US-09-590-751A-405
119 7 3.6 266 3 US-09-551-621-405
120 7 3.6 266 3 US-09-551-621A-405
121 7 3.6 266 3 US-10-076-622-405
122 7 3.6 273 3 US-09-248-796A-7978
123 7 3.6 273 3 US-09-513-999C-11646
124 7 3.6 279 3 US-09-513-999C-22129
125 7 3.6 293 3 US-09-490-609B-395
126 7 3.6 294 3 US-09-513-999C-24544
127 7 3.6 300 2 US-08-391-916A-9
128 7 3.6 306 3 US-09-248-796A-12948
129 7 3.6 341 3 US-08-943-731-158
130 7 3.6 350 3 US-09-513-999C-22421
131 7 3.6 368 3 US-10-131-827-8202
132 7 3.6 385 3 US-09-513-999C-26629
133 7 3.6 402 3 US-09-513-999C-11445
134 7 3.6 405 3 US-08-905-223-93
135 7 3.6 416 3 US-09-533-559-4261
136 7 3.6 422 3 US-09-513-999C-13668
137 7 3.6 424 3 US-09-370-838-137
138 7 3.6 424 3 US-09-854-133-137
139 7 3.6 429 3 US-09-252-991A-15687
140 7 3.6 443 3 US-09-270-767-1716
141 7 3.6 443 3 US-09-270-767-16998
142 7 3.6 461 2 US-08-014-944-1
143 7 3.6 462 3 US-09-199-637A-212
144 7 3.6 474 3 US-09-248-796A-888
145 7 3.6 475 3 US-09-583-447A-35
146 7 3.6 477 3 US-09-746-801A-46
147 7 3.6 477 3 US-10-719-885-46
148 7 3.6 482 3 US-09-513-999C-2652
149 7 3.6 498 3 US-09-902-540-3506
150 7 3.6 507 3 US-09-902-540-9265
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ALIGNMENTS

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US-09-902-540-4802
; Sequence 4802, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 4802
; LENGTH: 1089
; TYPE: DNA
; ORGANISM: Myxococcus xanthus
US-09-902-540-4802

Alignment Scores:
Pred. No.: 1,11 Length: 1089
Score: 10.00 Matches: 10
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 5.2% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-902-540-4802 (1-1089)
QY 8 ProLeuLeuAlaLeuGlyLeuLeu 17
Db 691 CGCTGCTCATCGCCCTGGCGCTGCTGCTG 720
RESULT 2
US-09-902-540-1236
; Sequence 1236, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 1236
; LENGTH: 29103
; TYPE: DNA
; ORGANISM: Myxococcus xanthus
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(29103)
; OTHER INFORMATION: unsure at all n locations
US-09-902-540-1236

Alignment Scores:
Pred. No.: 26,8 Length: 29103
Score: 10.00 Matches: 10
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 5.2% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-902-540-1236 (1-29103)
QY 8 ProLeuLeuAlaLeuGlyLeuLeu 17
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Db 18065 CCGTGTCTATCGCCCTGGCCTGTCTGTG 18094

RESULT 3

US-08-961-083-97
; Sequence 97, Application US/08961083
; Patent No. 6159469
; GENERAL INFORMATION:
; APPLICANT: Choi et. al.
; TITLE OF INVENTION: Streptococcus pneumoniae Antigens and Vaccines
; NUMBER OF SEQUENCES: 452
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage

COMPUTER: HP Vectra 486/33

OPERATING SYSTEM: MSDOS version 6.2

SOFTWARE: ASCII Text

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/961.083

FILING DATE:

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER:

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Brookes, A. Anders

REGISTRATION NUMBER: 36,373

REFERENCE/DOCKET NUMBER: PB340P2

TELECOMMUNICATION INFORMATION:

TELEPHONE: (301) 309-8504

TELEFAX: (301) 309-8512

INFORMATION FOR SEQ ID NO: 97:

SEQUENCE CHARACTERISTICS:

LENGTH: 787 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

US-08-961-083-97

Alignment Scores:

Pred. No.: 8.51 Length: 787

Score: 9.00 Matches: 9

Percent Similarity: 100.0% Conservative: 0

Best Local Similarity: 100.0% Mismatches: 0

Query Match: 4.7% Indels: 0

DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-08-961-083-97 (1-787)

RESULT 4

Qy 66 LeuSerValGlySerThrSerVal 74
Db 464 TTGCTGTGTAGTTCCTCAGTA 490
US-08-961-083-97
; Sequence 97, Application US/09536784
; Patent No. 6573082
; GENERAL INFORMATION:
; APPLICANT: Choi et. al.
; TITLE OF INVENTION: Streptococcus pneumoniae Antigens and Vaccines
; NUMBER OF SEQUENCES: 452
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage

COMPUTER: HP Vectra 486/33

OPERATING SYSTEM: MSDOS version 6.2

SOFTWARE: ASCII Text

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/765.271

FILING DATE: 22-Jan-2001

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 09/536,784

FILING DATE: <Unknown>

APPLICATION NUMBER: 08/961,083

FILING DATE: OCT-30-1997

ATTORNEY/AGENT INFORMATION:

NAME: Michelle S. Marks

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage

COMPUTER: HP Vectra 486/33

OPERATING SYSTEM: MSDOS version 6.2

SOFTWARE: ASCII Text

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/536,784

FILING DATE: 30-Oct-1997

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/961,083

FILING DATE: OCT-30-1997

ATTORNEY/AGENT INFORMATION:

NAME: Michelle S. Marks

REGISTRATION NUMBER: 41,971

REFERENCE/DOCKET NUMBER: PB340P3

TELECOMMUNICATION INFORMATION:

TELEPHONE: (301) 309-8504

TELEFAX: (301) 309-8512

INFORMATION FOR SEQ ID NO: 97:

SEQUENCE CHARACTERISTICS:

LENGTH: 787 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 97:

US-09-536-784-97

Alignment Scores:

Pred. No.: 8.51 Length: 787

Score: 9.00 Matches: 9

Percent Similarity: 100.0% Conservative: 0

Best Local Similarity: 100.0% Mismatches: 0

Query Match: 4.7% Indels: 0

DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-536-784-97 (1-787)

Qy 66 LeuSerValGlySerThrSerVal 74

Db 464 TTGCTGTGTAGTTCCTCAGTA 490

RESULT 5

US-09-765-271-97

; Sequence 97, Application US/09765271

; Patent No. 6887663

; GENERAL INFORMATION:

; APPLICANT: Choi et. al.

; TITLE OF INVENTION: Streptococcus pneumoniae Antigens and Vaccines

; NUMBER OF SEQUENCES: 452

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Human Genome Sciences, Inc.

; STREET: 9410 Key West Avenue

; CITY: Rockville

; STATE: Maryland

; COUNTRY: USA

; ZIP: 20850

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage

COMPUTER: HP Vectra 486/33

OPERATING SYSTEM: MSDOS version 6.2

SOFTWARE: ASCII Text

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/765,271

FILING DATE: 22-Jan-2001

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 09/536,784

FILING DATE: <Unknown>

APPLICATION NUMBER: 08/961,083

FILING DATE: OCT-30-1997

ATTORNEY/AGENT INFORMATION:

NAME: Michelle S. Marks

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US-09-765-272A-97
; Sequence 97, Application US/09765272A
; Patent No. 6929930
; GENERAL INFORMATION:
; APPLICANT: Choi et. al.
; TITLE OF INVENTION: Streptococcus pneumoniae Antigens and
; Vaccines
;
; NUMBER OF SEQUENCES: 454
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4MB storage
; COMPUTER: Dell Latitude C610
; OPERATING SYSTEM: Windows 2000
; SOFTWARE: ASCII Text
;
; CURRENT APPLICATION DATA:
; FILING APPLICATION NUMBER: US/09/765,272A
; FILING DATE: 22-Jan-2001
; CLASSIFICATION: <Unknown>
;
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/961,083
; FILING DATE: OCT-30-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Lin J. Hymel
; REGISTRATION NUMBER: 45,414
; REFERENCE/DOCKET NUMBER: PB340P2C2
;
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 610-5790
; TELEFAX: (301) 309-8439
;
; INFORMATION FOR SEQ ID NO: 97:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 787 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
;
; SEQUENCE DESCRIPTION: SEQ ID NO: 97:
US-09-765-272A-97
Alignment Scores:

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;;
;; GENERAL INFORMATION:
;; APPLICANT: Choi et. al.
;; TITLE OF INVENTION: Streptococcus pneumoniae Antigens and Vaccines
;; NUMBER OF SEQUENCES: 452
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Human Genome Sciences, Inc.
;; STREET: 9410 Key West Avenue
;; CITY: Rockville
;; STATE: Maryland
;; COUNTRY: USA
;; ZIP: 20850
;;
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
;; COMPUTER: Hp Vectra 486/33
;; OPERATING SYSTEM: MSDOS version 6.2
;; SOFTWARE: ASCII Text
;;
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/09/536,784
;; FILING DATE: 30-Oct-1997
;; CLASSIFICATION: <Unknown>
;;
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 08/961,083
;; FILING DATE: OCT-30-1997
;; NAME: Michelle S. Marks
;; REFERENCE/DOCKET NUMBER: PB340P3
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (301) 309-8504
;; TELEFAX: (301) 309-8512
;;
;; INFORMATION FOR SEQ ID NO: 205:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 811 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: double
;; TOPOLOGY: linear
;;
;; SEQUENCE DESCRIPTION: SEQ ID NO: 205:
US-09-536-784-205
;
;
Alignment Scores:
Pred. No.: 8.77 Length: 811
Score: 9.00 Matches: 9
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.7% Indels: 0
DB: 3 Gaps: 0
;
US-10-030-937-9 (1-193) x US-09-536-784-205 (1-811)
;
Oy 66 LeuSerValValGlySerThrSerVal 74
Db 488 TTGTCGTGTGTAGGTTCCACTTCAGTA 514
;
RESULT 9
US-09-765-271-205
; Sequence 205, Application US/09765271
; Patent No. 6887663
; GENERAL INFORMATION:
; APPLICANT: Choi et. al.
; TITLE OF INVENTION: Streptococcus pneumoniae Antigens and Vaccines
; NUMBER OF SEQUENCES: 452
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: Hp Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text

;;
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/09/765,271
;; FILING DATE: 22-Jan-2001
;; CLASSIFICATION: <Unknown>
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 09/536,784
;; FILING DATE: <Unknown>
;; APPLICATION NUMBER: 08/961,083
;; FILING DATE: OCT-30-1997
;; NAME: Michelle S. Marks
;; REFERENCE/DOCKET NUMBER: PB340P3
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (301) 309-8504
;; TELEFAX: (301) 309-8512
;;
;; INFORMATION FOR SEQ ID NO: 205:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 811 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: double
;; TOPOLOGY: linear
;;
;; SEQUENCE DESCRIPTION: SEQ ID NO: 205:
US-09-765-271-205
;
;
Alignment Scores:
Pred. No.: 8.77 Length: 811
Score: 9.00 Matches: 9
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.7% Indels: 0
DB: 3 Gaps: 0
;
US-10-030-937-9 (1-193) x US-09-765-271-205 (1-811)
;
Oy 66 LeuSerValValGlySerThrSerVal 74
Db 488 TTGTCGTGTGTAGGTTCCACTTCAGTA 514
;
RESULT 10
US-09-765-272A-205
; Sequence 205, Application US/09765272A
; Patent No. 6929930
; GENERAL INFORMATION:
; APPLICANT: Choi et. al.
; TITLE OF INVENTION: Streptococcus pneumoniae Antigens and
; Vaccines
; NUMBER OF SEQUENCES: 454
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: Dell Latitude C610
; OPERATING SYSTEM: Windows 2000
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/765,272A
; FILING DATE: 22-Jan-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/961,083
; FILING DATE: OCT-30-1997
; NAME: Lin J. Hymel
; REFERENCE/DOCKET NUMBER: PB340P2C2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 610-5790

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/ ; TELEFAX: (301) 309-8439
/ ; INFORMATION FOR SEQ ID NO: 205:
/ ; SEQUENCE CHARACTERISTICS:
/ ; LENGTH: 811 base pairs
/ ; TYPE: nucleic acid
/ ; STRANDEDNESS: double
/ ; TOPOLOGY: linear
/ ; SEQUENCE DESCRIPTION: SEQ ID NO: 205:
US-09-765-272A-205

Alignment Scores:
Pred. No.:      8.77      Length:      811
Score:          9.00      Matches:      9
Percent Similarity: 100.0%      Conservative: 0
Best Local Similarity: 100.0%      Mismatches: 0
Query Match:      4.7%      Indels:      0
DB:              3      Gaps:      0

US-10-030-937-9 (1-193) x US-09-765-272A-205 (1-811)

QY      66 LeuSerValValGlySerThrSerVal 74
      |||||
Db      488 TTGTCGTGTAGTCCACTTCAGTA 514

RESULT 11
US-09-583-110-1540
; Sequence 1540, Application US/09583110
; Patent No. 6699703
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al.
; TITLE OF INVENTION: Nucleic Acid and Amino Acid Sequences Relating to Streptococcus
; FILE REFERENCE: PATH00-07A
; CURRENT APPLICATION NUMBER: US/09/583,110
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/107,433
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: US 60/085,131
; PRIOR FILING DATE: 1998-05-12
; PRIOR APPLICATION NUMBER: US 60/051,553
; PRIOR FILING DATE: 1997-07-02
; NUMBER OF SEQ ID NOS: 5322
; SEQ ID NO 1540
; LENGTH: 876
; TYPE: DNA
; ORGANISM: Streptococcus pneumoniae
US-09-583-110-1540

Alignment Scores:
Pred. No.:      9.45      Length:      876
Score:          9.00      Matches:      9
Percent Similarity: 100.0%      Conservative: 0
Best Local Similarity: 100.0%      Mismatches: 0
Query Match:      4.7%      Indels:      0
DB:              3      Gaps:      0

US-10-030-937-9 (1-193) x US-09-583-110-1540 (1-876)

QY      66 LeuSerValValGlySerThrSerVal 74
      |||||
Db      550 TTGTCGTGTAGTCCACTTCAGTA 576

RESULT 12
US-09-433-715
; Sequence 715, Application US/09107433
; Patent No. 6800744
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID
; SEQUENCES RELATING TO STREPTOCOCCUS PNEUMONIAE FOR DIAGNOSTIC
; THERAPEUTICS
; NUMBER OF SEQUENCES: 5206
; CORRESPONDENCE ADDRESS:
/ ;
```

```
/ ; ADDRESSEE: GENOME THERAPEUTICS CORPORATION
/ ; STREET: 100 Beaver Street
/ ; CITY: Waltham
/ ; STATE: Massachusetts
/ ; COUNTRY: USA
/ ; ZIP: 02354
/ ; COMPUTER READABLE FORM:
/ ; MEDIUM TYPE: CD-ROM ISO9660
/ ; OPERATING SYSTEM: <Unknown>
/ ; SOFTWARE: <Unknown>
/ ; CURRENT APPLICATION DATA:
/ ; APPLICATION NUMBER: US/09/107,433
/ ; FILING DATE: 30-Jun-1998
/ ; PRIOR APPLICATION DATA:
/ ; APPLICATION NUMBER: 60/ 085131
/ ; FILING DATE: May 12, 1998
/ ; APPLICATION NUMBER: 60/051553
/ ; FILING DATE: July 2, 1997
/ ; ATTORNEY/AGENT INFORMATION:
/ ; NAME: Ariniello, Pamela Deneke
/ ; REGISTRATION NUMBER: 40,489
/ ; REFERENCE/DOCKET NUMBER: GTC-011
/ ; TELECOMMUNICATION INFORMATION:
/ ; TELEPHONE: (781)893-5007
/ ; TELEFAX: (781)893-8277
/ ; INFORMATION FOR SEQ ID NO: 715:
/ ; SEQUENCE CHARACTERISTICS:
/ ; LENGTH: 987 base pairs
/ ; TYPE: nucleic acid
/ ; STRANDEDNESS: double
/ ; TOPOLOGY: circular
/ ; MOLECULE TYPE: DNA (genomic)
/ ; HYPOTHETICAL: NO
/ ; ANTI-SENSE: NO
/ ; ORIGINAL SOURCE:
/ ; ORGANISM: Streptococcus pneumoniae
/ ; FEATURE:
/ ; NAME/KEY: misc feature
/ ; LOCATION: (B) LOCATION 1...987
/ ; SEQUENCE DESCRIPTION: SEQ ID NO: 715:
US-09-107-433-715

Alignment Scores:
Pred. No.:      10.6      Length:      987
Score:          9.00      Matches:      9
Percent Similarity: 100.0%      Conservative: 0
Best Local Similarity: 100.0%      Mismatches: 0
Query Match:      4.7%      Indels:      0
DB:              3      Gaps:      0

US-10-030-937-9 (1-193) x US-09-107-433-715 (1-987)

QY      66 LeuSerValValGlySerThrSerVal 74
      |||||
Db      661 TTGTCGTGTAGTCCACTTCAGTA 687

RESULT 13
US-08-961-527-148
; Sequence 148, Application US/08961527
; Patent No. 6420135
; GENERAL INFORMATION:
; APPLICANT: Charles Kunsch
; TITLE OF INVENTION: Streptococcus pneumoniae Polynucleotides and Sequences
; NUMBER OF SEQUENCES: 391
; CORRESPONDENCE ADDRESS:
/ ; ADDRESSEE: Human Genome Sciences, Inc.
/ ; STREET: 9410 Key West Avenue
/ ; CITY: Rockville
/ ; STATE: Maryland
/ ; COUNTRY: USA
/ ; ZIP: 20850
/ ; COMPUTER READABLE FORM:
/ ;
```


Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-949-016-39132 (1-601)

QY 86 LeuGlLysGluValAlaGlyLeu 93
|||||
DB 188 CTGAAAGGAAGTGGCCGGGTG 211

RESULT 17

US-09-949-016-53584
; Sequence 53584, Application US/09949016
; Patent No. 6812339

; GENERAL INFORMATION:

; APPLICANT: VENTER, J. Craig et al.

; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

; FILE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

; FILE REFERENCE: CL001307

; CURRENT APPLICATION NUMBER: US/09/949,016

; CURRENT FILING DATE: 2000-04-14

; PRIOR APPLICATION NUMBER: 60/241,755

; PRIOR FILING DATE: 2000-10-20

; PRIOR APPLICATION NUMBER: 60/237,768

; PRIOR FILING DATE: 2000-10-03

; PRIOR APPLICATION NUMBER: 60/231,498

; PRIOR FILING DATE: 2000-09-08

; NUMBER OF SEQ ID NOS: 207012

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 53584

; LENGTH: 601

; TYPE: DNA

; ORGANISM: Human

US-09-949-016-53584

Alignment Scores:
Pred. No.: 68.9 Length: 601
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-949-016-53584 (1-601)

QY 175 SerSerSerGlyLysArgLeuGly 182
|||||
DB 173 TCAAGCAGTGGAAAGAGGCTGGGC 196

RESULT 18

US-09-949-016-61592
; Sequence 61592, Application US/09949016
; Patent No. 6812339

; GENERAL INFORMATION:

; APPLICANT: VENTER, J. Craig et al.

; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

; FILE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

; FILE REFERENCE: CL001307

; CURRENT APPLICATION NUMBER: US/09/949,016

; CURRENT FILING DATE: 2000-04-14

; PRIOR APPLICATION NUMBER: 60/241,755

; PRIOR FILING DATE: 2000-10-20

; PRIOR APPLICATION NUMBER: 60/237,768

; PRIOR FILING DATE: 2000-10-03

; PRIOR APPLICATION NUMBER: 60/231,498

; PRIOR FILING DATE: 2000-09-08

; NUMBER OF SEQ ID NOS: 207012

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 61592

; LENGTH: 601

; TYPE: DNA

; ORGANISM: Human
US-09-949-016-61592

Alignment Scores:

Pred. No.: 68.9 Length: 601
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-949-016-61592 (1-601)

QY 67 SerValValGlySerThrSerVal 74
|||||
DB 475 TCCGTCGTTGGGTCCACCAGTGTG 498

RESULT 19

US-09-949-016-61593
; Sequence 61593, Application US/09949016
; Patent No. 6812339

; GENERAL INFORMATION:

; APPLICANT: VENTER, J. Craig et al.

; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

; FILE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

; FILE REFERENCE: CL001307

; CURRENT APPLICATION NUMBER: US/09/949,016

; CURRENT FILING DATE: 2000-04-14

; PRIOR APPLICATION NUMBER: 60/241,755

; PRIOR FILING DATE: 2000-10-20

; PRIOR APPLICATION NUMBER: 60/237,768

; PRIOR FILING DATE: 2000-10-03

; PRIOR APPLICATION NUMBER: 60/231,498

; PRIOR FILING DATE: 2000-09-08

; NUMBER OF SEQ ID NOS: 207012

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 61593

; LENGTH: 601

; TYPE: DNA

; ORGANISM: Human

US-09-949-016-61593

Alignment Scores:

Pred. No.: 68.9 Length: 601
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-949-016-61593 (1-601)

QY 67 SerValValGlySerThrSerVal 74
|||||
DB 227 TCCGTCGTTGGGTCCACCAGTGTG 250

RESULT 20

US-09-949-016-61714
; Sequence 61714, Application US/09949016
; Patent No. 6812339

; GENERAL INFORMATION:

; APPLICANT: VENTER, J. Craig et al.

; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

; FILE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

; FILE REFERENCE: CL001307

; CURRENT APPLICATION NUMBER: US/09/949,016

; CURRENT FILING DATE: 2000-04-14

; PRIOR APPLICATION NUMBER: 60/241,755

; PRIOR FILING DATE: 2000-10-20

; PRIOR APPLICATION NUMBER: 60/237,768

; PRIOR FILING DATE: 2000-10-03

; PRIOR APPLICATION NUMBER: 60/231,498

; PRIOR FILING DATE: 2000-09-08


```
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 91994
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-91994

Alignment Scores:
Pred. No.: 68.9 Length: 601
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-949-016-91994 (1-601)

QY 72 ThrSerValProLeuSerSerPro 79
Db 456 ACTTCAGTCCCACTCTCAAGTCTCT 479

RESULT 25
US-09-949-016-158399/c
; Sequence 158399, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 158399
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-158399

Alignment Scores:
Pred. No.: 68.9 Length: 601
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-949-016-158399 (1-601)

QY 10 LeuileAlaLeuGlyLeuLeu 17
Db 32 CTCATAGCACTTGGTCTGCTTCTT 9

RESULT 26
US-09-949-016-158400/c
; Sequence 158400, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 158400
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-158400

Alignment Scores:
Pred. No.: 68.9 Length: 601
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-949-016-158400 (1-601)

QY 10 LeuileAlaLeuGlyLeuLeu 17
Db 226 CTCATAGCACTTGGTCTGCTTCTT 203

RESULT 27
US-09-774-639-24
; Sequence 24, Application US/09774639
; Patent No. 6806351
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 90 Human Secreted Proteins
; FILE REFERENCE: P2013P1
; CURRENT APPLICATION NUMBER: US/09/774,639
; CURRENT FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/244,112
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-02-04
; NUMBER OF SEQ ID NOS: 371
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 24
; LENGTH: 711
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-774-639-24

Alignment Scores:
Pred. No.: 81 Length: 711
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-774-639-24 (1-711)

QY 69 ValGlySerThrSerValProLeu 76
Db 361 GTGGGGTCCACCTCTGCTCTCTG 384

RESULT 28
US-09-252-991A-3981/c
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; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 91994
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-91994

Alignment Scores:
Pred. No.: 68.9 Length: 601
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-949-016-91994 (1-601)

QY 72 ThrSerValProLeuSerSerPro 79
Db 456 ACTTCAGTCCCACTCTCAAGTCTCT 479

RESULT 25
US-09-949-016-158399/c
; Sequence 158399, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 158399
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-158399

Alignment Scores:
Pred. No.: 68.9 Length: 601
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-949-016-158399 (1-601)

QY 10 LeuileAlaLeuGlyLeuLeu 17
Db 32 CTCATAGCACTTGGTCTGCTTCTT 9

RESULT 26
US-09-949-016-158400/c
; Sequence 158400, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 158400
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-158400

Alignment Scores:
Pred. No.: 68.9 Length: 601
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-949-016-158400 (1-601)

QY 10 LeuileAlaLeuGlyLeuLeu 17
Db 32 CTCATAGCACTTGGTCTGCTTCTT 9

RESULT 26
US-09-949-016-158400/c
```


; Sequence 3981, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 3981
; LENGTH: 858
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (656)
; OTHER INFORMATION: Identity of nucleotide at the above locations are unknown.
US-09-252-991A-3981

Alignment Scores:
Pred. No.: 97.2 Length: 858
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-252-991A-3981 (1-858)

Qy 11 IleAlaLeuGlyLeuLeuAla 18
| | | | | | | | | | | | | | | | | | | | | |
Db 265 ATCGCCCTCGGCCTGCTCTTGCT 242

RESULT 29

US-09-252-991A-7168
; Sequence 7168, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 7168
; LENGTH: 1314
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-7168

Alignment Scores:
Pred. No.: 147 Length: 1314
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-252-991A-7168 (1-1314)

Qy 14 GlyLeuLeuLeuAlaThrProAla 21
| | | | | | | | | | | | | | | | | | | | | |
Db 89 GGGCTGCTCTGGCCACGCCGCC 112

RESULT 30

US-09-252-991A-3925
; Sequence 3925, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 3925
; LENGTH: 1335
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (93)
; OTHER INFORMATION: Identity of nucleotide at the above locations are unknown.
US-09-252-991A-3925

Alignment Scores:
Pred. No.: 149 Length: 1335
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-252-991A-3925 (1-1335)

Qy 11 IleAlaLeuGlyLeuLeuAla 18
| | | | | | | | | | | | | | | | | | | | | |
Db 484 ATCGCCCTCGGCCTGCTCTTGCT 507

RESULT 31

US-09-711-164-270/c
; Sequence 270, Application US/09711164
; Patent No. 6589738
; GENERAL INFORMATION:
; APPLICANT: Forsyth, R. Allyn
; APPLICANT: Orlsen, Kari
; APPLICANT: Zyskind, Judith
; TITLE OF INVENTION: GENES ESSENTIAL FOR MICROBIAL PROLIFERATION AND ANTISENSE THERET
; FILE REFERENCE: ELITRA.008A
; CURRENT APPLICATION NUMBER: US/09/711,164
; CURRENT FILING DATE: 2000-11-09
; PRIOR APPLICATION NUMBER: US 60/164415
; PRIOR FILING DATE: 1999-11-9
; NUMBER OF SEQ ID NOS: 469
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 270
; LENGTH: 1395
; TYPE: DNA
; ORGANISM: Escherichia coli
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(1395)
US-09-711-164-270

Alignment Scores:
Pred. No.: 156 Length: 1395
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-711-164-270 (1-1395)

QY 61 ProGlyAsnValThrLeuSerVal 68
Db 460 CCTGGAATGTAACGCTATCAGTT 437

RESULT 32

US-09-492-709A-121/c
; Sequence 121, Application US/09492709A

; Patent No. 6720139
; GENERAL INFORMATION:
; APPLICANT: Zyskind, Judith
; APPLICANT: Ohlsen, Kari L.
; APPLICANT: Trawick, John
; APPLICANT: Forsyth, R. Alllyn
; APPLICANT: Froelich, Jamie M.
; APPLICANT: Carr, Grant J.
; APPLICANT: Yamamoto, Robert T.
; APPLICANT: Xu, H. Howard

; TITLE OF INVENTION: GENES IDENTIFIED AS REQUIRED FOR PROLIFERATION IN

; FILE REFERENCE: ELITRA.001A

; CURRENT APPLICATION NUMBER: US/09/492,709A

; CURRENT FILING DATE: 2000-01-27

; NUMBER OF SEQ ID NOS: 485

; SOFTWARE: FastSEQ for Windows Version 3.0

; SEQ ID NO 121

; LENGTH: 1395

; TYPE: DNA

; ORGANISM: E. Coli

US-09-492-709A-121

Alignment Scores:

Pred. No.: 156 Length: 1395
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-492-709A-121 (1-1395)

QY 61 ProGlyAsnValThrLeuSerVal 68
Db 460 CCTGGAATGTAACGCTATCAGTT 437

RESULT 33

US-09-308-406-1/c

; Sequence 1, Application US/09308406
; Patent No. 6159696

; GENERAL INFORMATION:

; APPLICANT: Dijkema, Rein

; APPLICANT: van den Wijngaard, Arthur

; TITLE OF INVENTION: Method and materials for the screening of therapeutic agents for the prevention and/or treatment of

; TITLE OF INVENTION: osteoporosis

; FILE REFERENCE: I/96227 US

; CURRENT APPLICATION NUMBER: US/09/308,406

; CURRENT FILING DATE: 1999-06-21

; EARLIER APPLICATION NUMBER: PCT/EP97/06668

; EARLIER FILING DATE: 1997-11-20

; EARLIER APPLICATION NUMBER: EP96203283.5

; EARLIER FILING DATE: 1996-11-22

; NUMBER OF SEQ ID NOS: 16

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 1

; LENGTH: 1456

; TYPE: DNA

; ORGANISM: human

US-09-308-406-1

Alignment Scores:

Pred. No.: 162 Length: 1456
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-308-406-1 (1-1456)

QY 175 SerSerGlyLysArgLeuGly 182
Db 943 TCACGCTCTGGGAAGCGCTGGGG 920

RESULT 34

US-09-252-991A-570

; Sequence 570, Application US/09252991A
; Patent No. 6551795

; GENERAL INFORMATION:

; APPLICANT: Marc J. Rubenfield et al.

; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS

; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS

; FILE REFERENCE: 107196.136

; CURRENT APPLICATION NUMBER: US/09/252,991A

; CURRENT FILING DATE: 1999-02-18

; PRIOR APPLICATION NUMBER: US 60/074,788

; PRIOR FILING DATE: 1998-02-18

; PRIOR APPLICATION NUMBER: US 60/094,190

; PRIOR FILING DATE: 1998-07-27

; NUMBER OF SEQ ID NOS: 33142

; SEQ ID NO 570

; LENGTH: 1458

; TYPE: DNA

; ORGANISM: Pseudomonas aeruginosa

US-09-252-991A-570

Alignment Scores:

Pred. No.: 163 Length: 1458
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-252-991A-570 (1-1458)

QY 71 SerThrSerValProLeuSerSer 78
Db 1364 TCTACGTCAGTCCGCTTCGTCA 1387

RESULT 35

US-09-252-991A-4050/c

; Sequence 4050, Application US/09252991A
; Patent No. 6551795

; GENERAL INFORMATION:

; APPLICANT: Marc J. Rubenfield et al.

; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS

; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS

; FILE REFERENCE: 107196.136

; CURRENT APPLICATION NUMBER: US/09/252,991A

; CURRENT FILING DATE: 1999-02-18

; PRIOR APPLICATION NUMBER: US 60/074,788

; PRIOR FILING DATE: 1998-02-18

; PRIOR APPLICATION NUMBER: US 60/094,190

; PRIOR FILING DATE: 1998-07-27

; NUMBER OF SEQ ID NOS: 33142

; SEQ ID NO 4050

; LENGTH: 1482

; TYPE: DNA

; ORGANISM: Pseudomonas aeruginosa

; FEATURE:

; NAME/KEY: unsure

; LOCATION: (1065)

; OTHER INFORMATION: Identity of nucleotide at the above locations are unknown.

```

US-09-252-991A-4050
Alignment Scores:
Pred. No.: 165 Length: 1482
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-252-991A-4050 (1-1482)
Qy 11 IleAlaLeuGlyLeuLeuAla 18
Db 674 ATCGCCCTCGGCTGCTCCTTGCT 651

RESULT 36
US-09-252-991A-3897
; Sequence 3897, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 3897
; LENGTH: 1605
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (457)
; OTHER INFORMATION: Identity of nucleotide at the above locations are unknown.
US-09-252-991A-3897
Alignment Scores:
Pred. No.: 178 Length: 1605
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-252-991A-3897 (1-1605)
Qy 11 IleAlaLeuGlyLeuLeuAla 18
Db 848 ATCGCCCTCGGCTGCTCCTTGCT 871

RESULT 37
US-09-252-991A-7476/c
; Sequence 7476, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 7476
US-09-252-991A-7476
; LENGTH: 1677
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-7476
Alignment Scores:
Pred. No.: 186 Length: 1677
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-252-991A-7476 (1-1677)
Qy 14 GlyLeuLeuAlaThrProAla 21
Db 1581 GGGCTGCTCTGGCCACGCCGCC 1558

RESULT 38
US-09-252-991A-7219
; Sequence 7219, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 7219
; LENGTH: 1692
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-7219
Alignment Scores:
Pred. No.: 188 Length: 1692
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-252-991A-7219 (1-1692)
Qy 14 GlyLeuLeuAlaThrProAla 21
Db 178 GGGCTGCTCTGGCCACGCCGCC 201

RESULT 39
US-09-252-991A-4015/c
; Sequence 4015, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 4015
; LENGTH: 2223

```

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US-09-252-991A-4050
Alignment Scores:
Pred. No.: 165 Length: 1482
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-252-991A-4050 (1-1482)
Qy 11 IleAlaLeuGlyLeuLeuAla 18
Db 674 ATCGCCCTCGGCTGCTCCTTGCT 651

RESULT 36
US-09-252-991A-3897
; Sequence 3897, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 3897
; LENGTH: 1605
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (457)
; OTHER INFORMATION: Identity of nucleotide at the above locations are unknown.
US-09-252-991A-3897
Alignment Scores:
Pred. No.: 178 Length: 1605
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-252-991A-3897 (1-1605)
Qy 11 IleAlaLeuGlyLeuLeuAla 18
Db 848 ATCGCCCTCGGCTGCTCCTTGCT 871

RESULT 37
US-09-252-991A-7476/c
; Sequence 7476, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 7476
US-09-252-991A-7476
; LENGTH: 1677
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-7476
Alignment Scores:
Pred. No.: 186 Length: 1677
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-252-991A-7476 (1-1677)
Qy 14 GlyLeuLeuAlaThrProAla 21
Db 1581 GGGCTGCTCTGGCCACGCCGCC 1558

RESULT 38
US-09-252-991A-7219
; Sequence 7219, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 7219
; LENGTH: 1692
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-7219
Alignment Scores:
Pred. No.: 188 Length: 1692
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-252-991A-7219 (1-1692)
Qy 14 GlyLeuLeuAlaThrProAla 21
Db 178 GGGCTGCTCTGGCCACGCCGCC 201

RESULT 39
US-09-252-991A-4015/c
; Sequence 4015, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 4015
; LENGTH: 2223

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Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-657-440-20 (1-2401)

Qy 14 GlyLeuLeuAlaThrProAla 21
Db 932 GGTCTGCTCTCGCCACTCGGCG 955

RESULT 43
US-09-793-708-20
; Sequence 20, Application US/09793708
; Patent No. 6902913
; GENERAL INFORMATION:
; APPLICANT: ASHLEY, Gary
; APPLICANT: BETLACH, Melanie C.
; APPLICANT: BETLACH, Mary C.
; APPLICANT: MCDANIEL, Robert
; APPLICANT: TANG, Li
; TITLE OF INVENTION: RECOMBINANT NARBONOLIDE POLYKETIDE SYNTHASE
; FILE REFERENCE: 300622002121
; CURRENT APPLICATION NUMBER: US/09/793,708
; CURRENT FILING DATE: 2001-02-22
; PRIOR APPLICATION NUMBER: US 09/657,440
; PRIOR FILING DATE: 2000-09-07
; PRIOR APPLICATION NUMBER: US 09/320,878
; PRIOR FILING DATE: 1999-05-27
; PRIOR APPLICATION NUMBER: US 09/141,908
; PRIOR FILING DATE: 1998-08-28
; PRIOR APPLICATION NUMBER: US 09/073,538
; PRIOR FILING DATE: 1998-05-06
; PRIOR APPLICATION NUMBER: US 08/846,247
; PRIOR FILING DATE: 1997-04-30
; PRIOR APPLICATION NUMBER: US 60/134,990
; PRIOR FILING DATE: 1999-05-20
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 20
; LENGTH: 2401
; TYPE: DNA
; ORGANISM: Streptomyces venezuelae
; FEATURE:
; NAME/KEY: 1540
; LOCATION: unsure
; OTHER INFORMATION: unsure of nucleotide at this position
US-09-793-708-20

Alignment Scores:
Pred. No.: 264 Length: 2401
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-793-708-20 (1-2401)

Qy 14 GlyLeuLeuAlaThrProAla 21
Db 932 GGTCTGCTCTCGCCACTCGGCG 955

RESULT 44
US-09-105-537-23
; Sequence 23, Application US/09105537A
; Patent No. 6265202
; GENERAL INFORMATION:
; APPLICANT: Sherman, D.H.
; APPLICANT: Liu, H.
; APPLICANT: Xue, Y.
; APPLICANT: Zhao, L.
; TITLE OF INVENTION: DNA encoding methymycin and pikromycin
; FILE REFERENCE: 600.438US1
; CURRENT APPLICATION NUMBER: US/09/105,537A
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; CURRENT FILING DATE: 1998-06-26
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 23
; LENGTH: 2430
; TYPE: DNA
; ORGANISM: Streptomyces venezuelae
US-09-105-537-23

Alignment Scores:
Pred. No.: 267 Length: 2430
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-105-537-23 (1-2430)

Qy 14 GlyLeuLeuAlaThrProAla 21
Db 1030 GGTCTGCTCTCGCCACTCGGCG 1053

RESULT 45
US-08-936-135-1/c
; Sequence 1, Application US/08936135
; Patent No. 6054293
; GENERAL INFORMATION:
; APPLICANT: Tessier-Lavigne, Marc
; APPLICANT: He, Zhigang
; APPLICANT: Chen, Hang
; TITLE OF INVENTION: Semaphorin Receptors
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
; STREET: 75 DENISE DRIVE
; CITY: HILLSBOROUGH
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94010
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/936,135
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: OSMAN, RICHARD A
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: UC97-288-2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 343-4341
; TELEFAX: (650) 343-4342
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2772 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
US-08-936-135-1

Alignment Scores:
Pred. No.: 303 Length: 2772
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0
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US-10-030-937-9 (1-193) x US-08-936-135-1 (1-2772)
QY 153 AlavalProAspLeuGlulLeuPro 160
Db 1560 GCTGTACCGCATCTTGAATCTCT 1537

RESULT 46
US-09-439-711C-1/c
; Sequence 1, Application US/09439711C
; Patent No. 6623738
; GENERAL INFORMATION:
; APPLICANT: Tessier-Lavigne, Marc
; APPLICANT: Zhigang, He
; APPLICANT: Chen, Hang
; TITLE OF INVENTION: Semaphorin Receptors
; FILE REFERENCE: UC97-288-2
; CURRENT APPLICATION NUMBER: US/09/439,711C
; CURRENT FILING DATE: 1997-09-24
; PRIOR APPLICATION NUMBER: 08/889,458
; PRIOR FILING DATE: 1997-07-08
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 2772
; TYPE: DNA
; ORGANISM: human
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(2769)
US-09-439-711C-1

Alignment Scores:
Pred. No.: 303 Length: 2772
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-439-711C-1 (1-2772)
QY 153 AlavalProAspLeuGlulLeuPro 160
Db 1560 GCTGTACCGCATCTTGAATCTCT 1537

RESULT 47
US-08-570-227A-1
; Sequence 1, Application US/08570227A
; Patent No. 5981217
; GENERAL INFORMATION:
; APPLICANT: Subramaniam, M.
; APPLICANT: Spelsberg, T. C.
; TITLE OF INVENTION: DNA ENCODING TGF-BETA INDUCIBLE
; TITLE OF INVENTION: EARLY FACTOR-1 (TIEF-1), A GENE EXPRESSED
; TITLE OF INVENTION: BY OSTEOBLASTS
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Schwegman, Lundberg, Woessner & Kluth, P.A.
; STREET: P.O. Box 2938
; CITY: Minneapolis
; STATE: MN
; COUNTRY: USA
; ZIP: 55402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/570,227A
; FILING DATE: 11-DEC-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
```

```
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Woessner, Warren D
; REGISTRATION NUMBER: 30,440
; REFERENCE/DOCKET NUMBER: 150.157US1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 612-359-3260
; TELEFAX: 612-359-3263
; TELEX:
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2881 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
US-08-570-227A-1

Alignment Scores:
Pred. No.: 315 Length: 2881
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 2 Gaps: 0

US-10-030-937-9 (1-193) x US-08-570-227A-1 (1-2881)
QY 71 SerThrSerValProLeuSerSer 78
Db 91 TCAACTTCGGTGCCTCTCTCCAGC 114

RESULT 48
US-09-077-991-1
; Sequence 1, Application US/09077991
; Patent No. 6207375
; GENERAL INFORMATION:
; APPLICANT: Subramaniam, M.
; APPLICANT: Speleberg, T.C.
; APPLICANT: Roche, P.C.
; TITLE OF INVENTION: TGF-Beta inducible early factor-1
; FILE REFERENCE: (TIEF-1) and a method to detect breast cancer
; FILE REFERENCE: 150.157US2
; CURRENT APPLICATION NUMBER: US/09/077,991
; CURRENT FILING DATE: 1998-07-07
; EARLIER APPLICATION NUMBER: PCT/US96/19555
; EARLIER FILING DATE: 1996-12-11
; EARLIER APPLICATION NUMBER: US 08/570,227
; EARLIER FILING DATE: 1995-12-11
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1
; LENGTH: 2881
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-077-991-1

Alignment Scores:
Pred. No.: 315 Length: 2881
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-077-991-1 (1-2881)
QY 71 SerThrSerValProLeuSerSer 78
Db 91 TCAACTTCGGTGCCTCTCTCCAGC 114

RESULT 49
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```
US-09-949-016-1081
; Sequence 1081, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1081
; LENGTH: 3125
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-1081

Alignment Scores:
Pred. No.: 340 Length: 3125
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-949-016-1081 (1-3125)
Qy 86 LeuGluLysGluValAlaGlyLeu 93
Db 891 CTGGAAGAAGGATGGCCGGTTG 914

RESULT 50
US-09-434-288-11
; Sequence 11, Application US/09434288
; Patent No. 6303767
; GENERAL INFORMATION:
; APPLICANT: Betlach C., Melanie
; APPLICANT: McDaniel, Robert
; TITLE OF INVENTION: POLYKETIDE SYNTHASE ENZYMES AND RECOMBINANT DNA
; TITLE OF INVENTION: CONSTRUCTS THEREFOR
; FILE REFERENCE: 30062-20030.00
; CURRENT APPLICATION NUMBER: US/09/434,288
; CURRENT FILING DATE: 1999-11-05
; PRIOR APPLICATION NUMBER: 60/107,093
; PRIOR FILING DATE: 1998-11-05
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 11
; LENGTH: 3241
; TYPE: DNA
; ORGANISM: Streptomyces narbonensis
US-09-434-288-11

Alignment Scores:
Pred. No.: 353 Length: 3241
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-434-288-11 (1-3241)
Qy 14 GlyLeuLeuAlaThrProAla 21
Db 1828 GGTCTGCTCTCGGACTCCGGCG 1851

US-09-949-016-1081
; Sequence 1081, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1081
; LENGTH: 3125
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-1081

Alignment Scores:
Pred. No.: 340 Length: 3125
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-949-016-1081 (1-3125)
Qy 86 LeuGluLysGluValAlaGlyLeu 93
Db 891 CTGGAAGAAGGATGGCCGGTTG 914

RESULT 51
US-09-692-401-1
; Sequence 1, Application US/09692401
; Patent No. 6897288
; GENERAL INFORMATION:
; APPLICANT: Heidecker, Leonora
; APPLICANT: van den Eynde, Benot
; APPLICANT: Boon-Falleur, Thierry
; APPLICANT: Brasseur, Francis
; TITLE OF INVENTION: MAGE-A12 ANTIGENIC PEPTIDES AND USES THEREOF
; FILE REFERENCE: L0461/7097
; CURRENT APPLICATION NUMBER: US/09/692,401
; CURRENT FILING DATE: 2000-10-19
; EARLIER APPLICATION NUMBER: US 60/160,374
; EARLIER FILING DATE: 1999-10-19
; EARLIER APPLICATION NUMBER: US 60/179,570
; EARLIER FILING DATE: 2000-02-01
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1
; LENGTH: 4523
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (2960)...(3904)
US-09-692-401-1

Alignment Scores:
Pred. No.: 487 Length: 4523
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-692-401-1 (1-4523)
Qy 48 IleArgSerLeuThrLeuGluPro 55
Db 1858 ATCAGAAGCTCACCCTAGAACCA 1881

RESULT 52
US-08-616-392C-3/c
; Sequence 3, Application US/08616392C
; Patent No. 5998165
; GENERAL INFORMATION:
; APPLICANT: Goold, Richard D.
; APPLICANT: Akerbom, Ingrid E.
; APPLICANT: Seilhamer, Jeffrey
; APPLICANT: Coleman, Roger
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES PANCI1A
; TITLE OF INVENTION: AND PANCI1B ASSOCIATED WITH PANCREATIC CANCER
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/616,392C
; FILING DATE: 15-MAR-1996
; PRIOR APPLICATION DATA:
; PRIOR APPLICATION NUMBER: 08/581,240
; FILING DATE: 29-DEC-1995
```

ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0052-1US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-855-0555
TELEFAX: 650-845-4166
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 5035 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: hnt
CLONE: 496071
US-08-616-392C-3

Alignment Scores:
Pred. No.: 540 Length: 5035
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 2 Gaps: 0

US-10-030-937-9 (1-193) x US-08-616-392C-3 (1-5035)

QY 143 GlyThyTyrSerLeuProLysSer 150
DB 3605 GGGACATAGTACTCTACCTAAGT 3582

RESULT 53

US-09-583-638-1/c
Sequence 1, Application US/09583638
Patent No. 6635421
GENERAL INFORMATION:
APPLICANT: KLAGSBRUN, MICHAEL
APPLICANT: SOKER, SHAY
APPLICANT: MIAO, HUA-QUAN
APPLICANT: TAKASHIMA, SEIJI
TITLE OF INVENTION: NEUROPILINS AND USE THEREOF IN METHODS FOR
FILE REFERENCE: DIAGNOSIS AND PROGNOSIS OF CANCER
FILE REFERENCE: 701039-48800
CURRENT FILING DATE: 2000-05-30
CURRENT APPLICATION NUMBER: US/09/583,638
PRIOR FILING DATE: 1998-12-09
PRIOR APPLICATION NUMBER: PCT/US98/26127
PRIOR FILING DATE: 1997-12-09
PRIOR APPLICATION NUMBER: 60/069,155
PRIOR FILING DATE: 1997-12-09
PRIOR APPLICATION NUMBER: 60/069,687
PRIOR FILING DATE: 1997-12-12
NUMBER OF SEQ ID NOS: 11
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 1
LENGTH: 5653
TYPE: DNA
ORGANISM: Homo sapiens
US-09-583-638-1

Alignment Scores:
Pred. No.: 605 Length: 5653
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-583-638-1 (1-5653)

QY 153 AlaValProAspLeuGluLeuPro 160
DB 1798 GCTGTACCGCATCTTGAATCTCT 1775

RESULT 54

US-09-674-460-1/c
Sequence 1, Application US/09674460
Patent No. 6458944
GENERAL INFORMATION:
APPLICANT: Hoechst Marion Roussel Ltd
TITLE OF INVENTION: Human BMP-4 promoter and method for exploring
FILE REFERENCE: bone-related substance by using the same.
FILE REFERENCE: JH98K004 PCT SEQUENCES IN ENGLISH
CURRENT APPLICATION NUMBER: US/09/674,460
CURRENT FILING DATE: 2000-11-30
PRIOR APPLICATION NUMBER: 10-120173
PRIOR FILING DATE: 1998-04-30
NUMBER OF SEQ ID NOS: 3
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 1
LENGTH: 6774
TYPE: DNA
ORGANISM: HUMAN
FEATURE:
NAME/KEY: misc feature
LOCATION: (1)-(6774)
OTHER INFORMATION: Human BMP-4 5' upstream gene sequence including
the exon 1 through exon 3 regions.
US-09-674-460-1

Alignment Scores:
Pred. No.: 720 Length: 6774
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-674-460-1 (1-6774)

QY 175 SerSerSerGlyLysArgLeuGly 182
DB 2968 TCCAGCTCTGGGAGCGGCTGGGG 2945

RESULT 55

US-09-949-016-15199
Sequence 15199, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
FILE REFERENCE: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 15199
LENGTH: 8282
TYPE: DNA
ORGANISM: Human
US-09-949-016-15199

Alignment Scores:
Pred. No.: 875 Length: 8282
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-949-016-15199 (1-8282)

Qy 175 SerSerSerGlyLysArgLeuGly 182
|||||
Db 6638 TCCAGCTCTGGGAAGCGGCTGGGG 6661

RESULT 56

US-09-902-540-1084/c
; Sequence 1084, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 1084
; LENGTH: 9035
; TYPE: DNA
; ORGANISM: Myxococcus xanthus
US-09-902-540-1084

Alignment Scores:
Pred. No.: 952 Length: 9035
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-902-540-1084 (1-9035)

Qy 173 ValLeuSerSerGlyLysArg 180
|||||
Db 1189 GTGTTGTCCTCGGGAAGAGG 1166

RESULT 57

US-09-949-016-13218/c
; Sequence 13218, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 13218
; LENGTH: 11105
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-13218

Alignment Scores:
Pred. No.: 116e+03 Length: 11105
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0

Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-949-016-13218 (1-11105)

Qy 175 SerSerSerGlyLysArgLeuGly 182
|||||
Db 1803 TCCAGCTCTGGGAAGCGGCTGGGG 1780

RESULT 58

US-09-105-537-3
; Sequence 3, Application US/09105537A
; Patent No. 6265202
; GENERAL INFORMATION:
; APPLICANT: Sherman, D.H.
; APPLICANT: Liu, H.
; APPLICANT: Xue, Y.
; APPLICANT: Zhao, L.
; TITLE OF INVENTION: DNA encoding methymycin and pikromycin
; FILE REFERENCE: 600.438US1
; CURRENT APPLICATION NUMBER: US/09/105,537A
; CURRENT FILING DATE: 1998-06-26
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 3
; LENGTH: 13613
; TYPE: DNA
; ORGANISM: Streptomyces venezuelae
US-09-105-537-3

Alignment Scores:
Pred. No.: 1.42e+03 Length: 13613
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-105-537-3 (1-13613)

Qy 14 GlyLeuLeuAlaThrProAla 21
|||||
Db 5341 GGTCTGCTCTCGCCACTCGGCG 5364

RESULT 59

US-09-949-016-14626
; Sequence 14626, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 14626
; LENGTH: 21914
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(21914)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14626

```
Alignment Scores:
Pred. No.: 2.25e+03 Length: 21914
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-949-016-14626 (1-21914)
QY 73 SerValProLeuSerSerProLeu 80
Db 6095 AGTGTGCCCTCTCTTCACCCCTG 6118

RESULT 60
US-09-949-016-14627
; Sequence 14627, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949, 016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14627
; LENGTH: 21914
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(21914)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14627

Alignment Scores:
Pred. No.: 2.25e+03 Length: 21914
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-949-016-14627 (1-21914)
QY 73 SerValProLeuSerSerProLeu 80
Db 6095 AGTGTGCCCTCTCTTCACCCCTG 6118

RESULT 61
US-09-949-016-14732
; Sequence 14732, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949, 016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
```

```
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14732
; LENGTH: 21914
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(21914)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14732

Alignment Scores:
Pred. No.: 2.25e+03 Length: 21914
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-949-016-14732 (1-21914)
QY 73 SerValProLeuSerSerProLeu 80
Db 6095 AGTGTGCCCTCTCTTCACCCCTG 6118

RESULT 62
US-09-949-016-14733
; Sequence 14733, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949, 016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14733
; LENGTH: 21914
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(21914)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14733

Alignment Scores:
Pred. No.: 2.25e+03 Length: 21914
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-949-016-14733 (1-21914)
QY 73 SerValProLeuSerSerProLeu 80
Db 6095 AGTGTGCCCTCTCTTCACCCCTG 6118

RESULT 63
US-09-863-049B-1/c
; Sequence 1, Application US/09863049B
```

```
; Patent No. 6824972
; GENERAL INFORMATION:
; APPLICANT: Kenrick, Sue J.
; APPLICANT: Nelson, David L.
; APPLICANT: Aradhyia, Swaroop
; APPLICANT: D'Urso, Michele
; APPLICANT: Woffendin, Hayley
; APPLICANT: Munich, Arnold
; APPLICANT: Smahi, Asmae
; APPLICANT: Israel, Alain
; APPLICANT: Poustka, Annemarie
; APPLICANT: Lewis, Richard A
; APPLICANT: Levy, Moise
; APPLICANT: Heiss, Nina
; TITLE OF INVENTION: Diagnosis and Treatment of Medical Conditions Associated with Def
; TITLE OF INVENTION: NFKAPPA B (NF-KB) Activation
; FILE REFERENCE: HO-P01961US1
; CURRENT APPLICATION NUMBER: US/09/863,049B
; CURRENT FILING DATE: 2001-05-22
; PRIOR APPLICATION NUMBER: US 60/206,223
; PRIOR FILING DATE: 2000-05-22
; NUMBER OF SEQ ID NOS: 79
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 23106
; TYPE: DNA
; ORGANISM: Human
US-09-863-049B-1

Alignment Scores:
Pred. No.: 2.37e+03 Length: 23106
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-863-049B-1 (1-23106)
Qy 16 LeuLeuAlaThrProAlaGlnAla 23
Db 8369 TTGCTGGCTACTCTCTGCCAGGCA 8346

RESULT 64
US-09-949-016-12778/c
; Sequence 12778, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 12778
; LENGTH: 35064
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(35064)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-12778

Alignment Scores:
Pred. No.: 2.37e+03 Length: 35064
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0
```

```
Pred. No.: 3.54e+03 Length: 35064
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-949-016-12778 (1-35064)
Qy 148 ProlYseSerGluPheAlaValPro 155
Db 30445 CCAAAATCAGAAATTGCTGTCCA 30422

RESULT 65
US-09-949-016-13196/c
; Sequence 13196, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 13196
; LENGTH: 35065
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(35065)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-13196

Alignment Scores:
Pred. No.: 3.55e+03 Length: 35065
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-949-016-13196 (1-35065)
Qy 148 ProlYseSerGluPheAlaValPro 155
Db 30445 CCAAAATCAGAAATTGCTGTCCA 30422

RESULT 66
US-09-949-016-11745
; Sequence 11745, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 12778
; LENGTH: 35064
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(35064)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-12778

Alignment Scores:
Pred. No.: 3.55e+03 Length: 35064
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0
```

; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11745
; LENGTH: 36180
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-11745

Alignment Scores:
Pred. No.: 3.65e+03 Length: 36180
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-949-016-11745 (1-36180)

QY 10 LeuilleAlaLeuGlyLeuLeuLeu 17
Db 11318 CTCATAGCACCTTGGTCTGCTTCTT 11341

RESULT 67

US-09-949-016-16163
; Sequence 16163, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16163
; LENGTH: 36181
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-16163

Alignment Scores:
Pred. No.: 3.65e+03 Length: 36181
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-949-016-16163 (1-36181)

QY 10 LeuilleAlaLeuGlyLeuLeuLeu 17
Db 11318 CTCATAGCACCTTGGTCTGCTTCTT 11341

RESULT 68

US-09-301-665-3
; Sequence 3, Application US/09301665
; Patent No. 6207876
; GENERAL INFORMATION:
; APPLICANT: KELLEMS, RODNEY E.
; APPLICANT: DATTA, SURJIT K.
; APPLICANT: BLACKBURN, MICHAEL R.
; TITLE OF INVENTION: ADENOSINE DEAMINASE DEFICIENT TRANSGENIC MICE AND
; TITLE OF INVENTION: METHODS FOR THE USE THEREOF
; FILE REFERENCE: UTSH:243
; CURRENT APPLICATION NUMBER: US/09/301,665

; CURRENT FILING DATE: 1999-04-28
; EARLIER APPLICATION NUMBER: 60/083,408
; EARLIER FILING DATE: 1998-04-29
; EARLIER APPLICATION NUMBER: 60/083,370
; EARLIER FILING DATE: 1998-04-28
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 3
; LENGTH: 36741
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-301-665-3

Alignment Scores:
Pred. No.: 3.71e+03 Length: 36741
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-301-665-3 (1-36741)

QY 10 LeuilleAlaLeuGlyLeuLeuLeu 17
Db 13133 CTCATAGCACCTTGGTCTGCTTCTT 13156

RESULT 69

US-09-782-378A-12
; Sequence 12, Application US/09782378A
; Patent No. 6916635
; GENERAL INFORMATION:
; APPLICANT: Hearing, Patrick
; APPLICANT: Bahou, Wadie
; APPLICANT: Sandalon, Ziv
; APPLICANT: Gnatenko, Dmitri
; TITLE OF INVENTION: Adenoviral Vectors
; FILE REFERENCE: STONYB-04970
; CURRENT APPLICATION NUMBER: US/09/782,378A
; CURRENT FILING DATE: 2001-02-12
; PRIOR APPLICATION NUMBER: 60/237,747
; PRIOR FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 12
; LENGTH: 36741
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-782-378A-12

Alignment Scores:
Pred. No.: 3.71e+03 Length: 36741
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-782-378A-12 (1-36741)

QY 10 LeuilleAlaLeuGlyLeuLeuLeu 17
Db 13133 CTCATAGCACCTTGGTCTGCTTCTT 13156

RESULT 70

US-09-816-093-3/c
; Sequence 3, Application US/09816093
; Patent No. 6518055
; GENERAL INFORMATION:
; APPLICANT: GAN, Weiniu et al
; TITLE OF INVENTION: ISOLATED HUMAN PROTEASE PROTEINS,
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN PROTEASE PROTEINS, AND
; TITLE OF INVENTION: USES THEREOF

FILE REFERENCE: CL001182
CURRENT APPLICATION NUMBER: US/09/816,093
CURRENT FILING DATE: 2001-03-26
NUMBER OF SEQ ID NOS: 4
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 3
LENGTH: 46718
TYPE: DNA
ORGANISM: Human
FEATURE:
NAME/KEY: misc feature
LOCATION: (1)...(46718)
OTHER INFORMATION: n = A,T,C or G
US-09-816-093-3

Alignment Scores:
Pred. No.: 4.68e+03 Length: 46718
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-816-093-3 (1-46718)

Qy 46 AlaValIleArgSerLeuThrLeu 53
Db 382 GCCGTGATTGCTAGTCTCACCCCTG 359

RESULT 71

US-09-949-016-12070/c
Sequence 12070, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 12070
LENGTH: 57392
TYPE: DNA
ORGANISM: Human
FEATURE:
NAME/KEY: misc feature
LOCATION: (1)...(57392)
OTHER INFORMATION: n = A,T,C or G
US-09-949-016-12070

Alignment Scores:
Pred. No.: 5.72e+03 Length: 57392
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-949-016-12070 (1-57392)

Qy 175 SerSerSerGlyLysArgLeuGly 182
Db 5669 TCAAGCAGTGGAAAGAGGCTGGC 5646

RESULT 72

Alignment Scores:
Pred. No.: 6.2e+03 Length: 62386

US-09-949-016-13293/c
Sequence 13293, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 13293
LENGTH: 57402
TYPE: DNA
ORGANISM: Human
FEATURE:
NAME/KEY: misc feature
LOCATION: (1)...(57402)
OTHER INFORMATION: n = A,T,C or G
US-09-949-016-13293

Alignment Scores:
Pred. No.: 5.72e+03 Length: 57402
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-949-016-13293 (1-57402)

Qy 175 SerSerSerGlyLysArgLeuGly 182
Db 5669 TCAAGCAGTGGAAAGAGGCTGGC 5646

RESULT 73

US-09-949-016-12823
Sequence 12823, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 12823
LENGTH: 62386
TYPE: DNA
ORGANISM: Human
FEATURE:
NAME/KEY: misc feature
LOCATION: (1)...(62386)
OTHER INFORMATION: n = A,T,C or G
US-09-949-016-12823

Alignment Scores:
Pred. No.: 6.2e+03 Length: 62386

Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-949-016-12823 (1-62386)

QY 86 LeuGlulysGluValAlaGlyLeu 93

Db 19877 CTGGAAGGAGTGGCCGGTTG 19900

RESULT 74

US-09-949-016-12254

; Sequence 12254, Application US/09949016

; Patent No. 6812339

; GENERAL INFORMATION:

; APPLICANT: VENTER, J. Craig et al.

; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

; FILE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

; FILE REFERENCE: CL001307

; CURRENT APPLICATION NUMBER: US/09/949,016

; CURRENT FILING DATE: 2000-04-14

; PRIOR APPLICATION NUMBER: 60/241,755

; PRIOR FILING DATE: 2000-10-20

; PRIOR APPLICATION NUMBER: 60/237,768

; PRIOR FILING DATE: 2000-10-03

; PRIOR APPLICATION NUMBER: 60/231,498

; PRIOR FILING DATE: 2000-09-08

; NUMBER OF SEQ ID NOS: 207012

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 12254

; LENGTH: 83617

; TYPE: DNA

; ORGANISM: Human

US-09-949-016-12254

Alignment Scores:

Pred. No.: 8-23e+03 Length: 83617

Score: 8.00 Matches: 8

Percent Similarity: 100.0% Conservative: 0

Best Local Similarity: 100.0% Mismatches: 0

Query Match: 4.1% Indels: 0

DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-949-016-12254 (1-83617)

QY 73 SerValProLeuSerSerProLeu 80

Db 40804 TCAGTCCCTCTCTCTCCACTG 40827

RESULT 75

US-09-949-016-13530

; Sequence 13530, Application US/09949016

; Patent No. 6812339

; GENERAL INFORMATION:

; APPLICANT: VENTER, J. Craig et al.

; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

; FILE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

; FILE REFERENCE: CL001307

; CURRENT APPLICATION NUMBER: US/09/949,016

; CURRENT FILING DATE: 2000-04-14

; PRIOR APPLICATION NUMBER: 60/241,755

; PRIOR FILING DATE: 2000-10-20

; PRIOR APPLICATION NUMBER: 60/237,768

; PRIOR FILING DATE: 2000-10-03

; PRIOR APPLICATION NUMBER: 60/231,498

; PRIOR FILING DATE: 2000-09-08

; NUMBER OF SEQ ID NOS: 207012

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 13530

; LENGTH: 145287

; TYPE: DNA

US-10-030-937-9 (1-193) x US-09-949-016-13531 (1-145287)

; ORGANISM: Human
US-09-949-016-13530

Alignment Scores:

Pred. No.: 1-41e+04 Length: 145287

Score: 8.00 Matches: 8

Percent Similarity: 100.0% Conservative: 0

Best Local Similarity: 100.0% Mismatches: 0

Query Match: 4.1% Indels: 0

DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-949-016-13530 (1-145287)

QY 67 SerValValGlySerThrSerVal 74

Db 54890 TCGTCGTTGGTCCACCACTGTG 54913

RESULT 76

US-09-949-016-13531

; Sequence 13531, Application US/09949016

; Patent No. 6812339

; GENERAL INFORMATION:

; APPLICANT: VENTER, J. Craig et al.

; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

; FILE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

; FILE REFERENCE: CL001307

; CURRENT APPLICATION NUMBER: US/09/949,016

; CURRENT FILING DATE: 2000-04-14

; PRIOR APPLICATION NUMBER: 60/241,755

; PRIOR FILING DATE: 2000-10-20

; PRIOR APPLICATION NUMBER: 60/237,768

; PRIOR FILING DATE: 2000-10-03

; PRIOR APPLICATION NUMBER: 60/231,498

; PRIOR FILING DATE: 2000-09-08

; NUMBER OF SEQ ID NOS: 207012

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 13531

; LENGTH: 145287

; TYPE: DNA

; ORGANISM: Human

US-09-949-016-13531

Alignment Scores:

Pred. No.: 1-41e+04 Length: 145287

Score: 8.00 Matches: 8

Percent Similarity: 100.0% Conservative: 0

Best Local Similarity: 100.0% Mismatches: 0

Query Match: 4.1% Indels: 0

DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-949-016-13531 (1-145287)

QY 67 SerValValGlySerThrSerVal 74

Db 54890 TCGTCGTTGGTCCACCACTGTG 54913

RESULT 77

US-09-949-016-11762/c

; Sequence 11762, Application US/09949016

; Patent No. 6812339

; GENERAL INFORMATION:

; APPLICANT: VENTER, J. Craig et al.

; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

; FILE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

; FILE REFERENCE: CL001307

; CURRENT APPLICATION NUMBER: US/09/949,016

; CURRENT FILING DATE: 2000-04-14

; PRIOR APPLICATION NUMBER: 60/241,755

; PRIOR FILING DATE: 2000-10-20

; PRIOR APPLICATION NUMBER: 60/237,768

; PRIOR FILING DATE: 2000-10-03

; NUMBER OF SEQ ID NOS: 207012

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 13530

; LENGTH: 145287

; TYPE: DNA

US-10-030-937-9 (1-193) x US-09-949-016-13531 (1-145287)

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; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11762
; LENGTH: 222691
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-11762

Alignment Scores:
Pred. No.: 2.13e+04 Length: 222691
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-949-016-11762 (1-222691)

Qy 176 SerSerGlyLysArgLeuGlyCys 183
Db 146875 TCATCAGGAGAGAGGCTTGCTGT 146852

RESULT 78
US-09-949-016-15842/c
; Sequence 15842, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15842
; LENGTH: 222697
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-15842

Alignment Scores:
Pred. No.: 2.13e+04 Length: 222697
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-949-016-15842 (1-222697)

Qy 176 SerSerGlyLysArgLeuGlyCys 183
Db 146880 TCATCAGGAGAGAGGCTTGCTGT 146857

RESULT 79
US-09-949-016-14381/c
; Sequence 14381, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
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; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14381
; LENGTH: 254405
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-14381

Alignment Scores:
Pred. No.: 2.42e+04 Length: 254405
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-949-016-14381 (1-254405)

Qy 72 ThrSerValProLeuSerSerPro 79
Db 60107 ACTTCAGTCCCACTCTCAAGTCCT 60084

RESULT 80
US-09-949-016-11852
; Sequence 11852, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11852
; LENGTH: 321022
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(321022)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-11852

Alignment Scores:
Pred. No.: 3.01e+04 Length: 321022
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-949-016-11852 (1-321022)

Qy 49 ArgSerLeuThrLeuGluProAsp 56
Db 76721 AGATCTTTGACTTTAGAGCCAGAT 76744

RESULT 81
US-09-949-016-14166
; Sequence 14166, Application US/09949016
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; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14166
; LENGTH: 321022
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(321022)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14166

Alignment Scores:
Pred. No.: 3.01e+04 Length: 321022
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-949-016-14166 (1-321022)

QY 49 ArgSerLeuThrLeuGluProAsp 56
|||||
Db 76721 AGATCTTTCGACTTTAGAGCCAGAT 76744

RESULT 82
US-09-949-016-12373/c
; Sequence 12373, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12373
; LENGTH: 336024
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(336024)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-12373

Alignment Scores:
Pred. No.: 3.15e+04 Length: 336024
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0

; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12373
; LENGTH: 336024
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(336024)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-12373

Alignment Scores:
Pred. No.: 3.15e+04 Length: 336024
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0

; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13498
; LENGTH: 343352
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(343352)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-13498

Alignment Scores:
Pred. No.: 3.22e+04 Length: 343352
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-949-016-13498 (1-343352)

QY 71 SerThrSerValProLeuSerSer 78
|||||
Db 68864 TCTACTTCGTCACCATGTCATCG 68841

RESULT 84
US-09-103-840A-2
; Sequence 2, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; TUBERCULOSIS
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 4403765
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
```



```
; FEATURE:
; OTHER INFORMATION: CDC 1551
; OTHER INFORMATION: "n" bases at various positions throughout the sequence
; OTHER INFORMATION: represent a, t, c or g
US-09-103-840A-2

Alignment Scores:
Pred. No.: 3.57e+05 Length: 4403765
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-103-840A-2 (1-4403765)

Qy 65 ThrLeuSerValValGlySerThr 72
Db 176751 ACGTATCCGTTGTGCGGAAGCAC 176774

RESULT 85
US-09-103-840A-1
; Sequence 1, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103.840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 4411529
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; OTHER INFORMATION: H37Rv
US-09-103-840A-1

Alignment Scores:
Pred. No.: 3.57e+05 Length: 4411529
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-103-840A-1 (1-4411529)

Qy 65 ThrLeuSerValValGlySerThr 72
Db 176582 ACGTATCCGTTGTGCGGAAGCAC 176605

RESULT 86
US-09-396-196G-9178
; Sequence 9178, Application US/09396196G
; Patent No. 6821724
; GENERAL INFORMATION:
; APPLICANT: Michael Mittmann
; APPLICANT: David Mack
; APPLICANT: David Lockhart
; APPLICANT: Affymetrix, Inc.
; TITLE OF INVENTION: Methods of Genetic Analysis
; FILE REFERENCE: 3101.1
; CURRENT APPLICATION NUMBER: US/09/396.196G
; CURRENT FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: 60/100,678
; PRIOR FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 127806
```

```
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 9178
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Mus musculus
US-09-396-196G-9178

Alignment Scores:
Pred. No.: 33.2 Length: 25
Score: 7.00 Matches: 7
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 3.6% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-396-196G-9178 (1-25)

Qy 72 ThrSerValProLeuSerSer 78
Db 1 ACITTCAGTTCCTTTAAGCAGC 21

RESULT 87
US-09-396-196G-36003
; Sequence 36003, Application US/09396196G
; Patent No. 6821724
; GENERAL INFORMATION:
; APPLICANT: Michael Mittmann
; APPLICANT: David Mack
; APPLICANT: David Lockhart
; APPLICANT: Affymetrix, Inc.
; TITLE OF INVENTION: Methods of Genetic Analysis
; FILE REFERENCE: 3101.1
; CURRENT APPLICATION NUMBER: US/09/396.196G
; CURRENT FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: 60/100,678
; PRIOR FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 127806
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 36003
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Mus musculus
US-09-396-196G-36003

Alignment Scores:
Pred. No.: 33.2 Length: 25
Score: 7.00 Matches: 7
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 3.6% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-396-196G-36003 (1-25)

Qy 171 GluSerValLeuSerSerSer 177
Db 3 GAGTCAGTCTCTGTCTCCAGT 23

RESULT 88
US-09-396-196G-36004
; Sequence 36004, Application US/09396196G
; Patent No. 6821724
; GENERAL INFORMATION:
; APPLICANT: Michael Mittmann
; APPLICANT: David Mack
; APPLICANT: David Lockhart
; APPLICANT: Affymetrix, Inc.
; TITLE OF INVENTION: Methods of Genetic Analysis
; FILE REFERENCE: 3101.1
; CURRENT APPLICATION NUMBER: US/09/396.196G
; CURRENT FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: 60/100,678
; PRIOR FILING DATE: 1998-09-17
```

```
; NUMBER OF SEQ ID NOS: 127806
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 36004
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Mus musculus
US-09-396-196G-36004

Alignment Scores:
Pred. No.: 33.2 Length: 25
Score: 7.00 Matches: 7
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 3.6% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-396-196G-36004 (1-25)
QY 171 GluSerValLeuSerSerSer 177
Db 1 GAGTCAGTCCTGCTTCCAGT 21

RESULT 89
US-09-396-196G-79253
; Sequence 79253, Application US/09396196G
; Patent No. 6821724
; GENERAL INFORMATION:
; APPLICANT: Michael Mittmann
; APPLICANT: David Mack
; APPLICANT: David Lockhart
; APPLICANT: Affymetrix, Inc.
; TITLE OF INVENTION: Methods of Genetic Analysis
; FILE REFERENCE: 3101.1
; CURRENT APPLICATION NUMBER: US/09/396,196G
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: 60/100,678
; NUMBER OF SEQ ID NOS: 127806
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 79253
; LENGTH: 25
; TYPE: DNA
; ORGANISM: mus musculus
US-09-396-196G-79253

Alignment Scores:
Pred. No.: 33.2 Length: 25
Score: 7.00 Matches: 7
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 3.6% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-396-196G-79253 (1-25)
QY 172 SerValLeuSerSerSerGly 178
Db 4 TCCGTCCTATCTTCTCCAGGC 24

RESULT 90
US-09-396-196G-100384
; Sequence 100384, Application US/09396196G
; Patent No. 6821724
; GENERAL INFORMATION:
; APPLICANT: Michael Mittmann
; APPLICANT: David Mack
; APPLICANT: David Lockhart
; APPLICANT: Affymetrix, Inc.
; TITLE OF INVENTION: Methods of Genetic Analysis
; FILE REFERENCE: 3101.1
; CURRENT APPLICATION NUMBER: US/09/396,196G
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: 60/100,678
```

```
; PRIOR FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 127806
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 100384
; LENGTH: 25
; TYPE: DNA
; ORGANISM: mus musculus
US-09-396-196G-100384

Alignment Scores:
Pred. No.: 33.2 Length: 25
Score: 7.00 Matches: 7
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 3.6% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-396-196G-100384 (1-25)
QY 12 AlaLeuGlyLeuLeuLeuAla 18
Db 5 GCTTTGGGTCTGCTTCTTGCC 25

RESULT 91
US-09-396-196G-107252/c
; Sequence 107252, Application US/09396196G
; Patent No. 6821724
; GENERAL INFORMATION:
; APPLICANT: Michael Mittmann
; APPLICANT: David Mack
; APPLICANT: David Lockhart
; APPLICANT: Affymetrix, Inc.
; TITLE OF INVENTION: Methods of Genetic Analysis
; FILE REFERENCE: 3101.1
; CURRENT APPLICATION NUMBER: US/09/396,196G
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: 60/100,678
; NUMBER OF SEQ ID NOS: 127806
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 107252
; LENGTH: 25
; TYPE: DNA
; ORGANISM: mus musculus
US-09-396-196G-107252

Alignment Scores:
Pred. No.: 33.2 Length: 25
Score: 7.00 Matches: 7
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 3.6% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-396-196G-107252 (1-25)
QY 125 CysProGluProLeuArgThr 131
Db 24 TGTCCTGAGCCTCTGAGAACT 4

RESULT 92
US-09-396-196G-107253/c
; Sequence 107253, Application US/09396196G
; Patent No. 6821724
; GENERAL INFORMATION:
; APPLICANT: Michael Mittmann
; APPLICANT: David Mack
; APPLICANT: David Lockhart
; APPLICANT: Affymetrix, Inc.
; TITLE OF INVENTION: Methods of Genetic Analysis
; FILE REFERENCE: 3101.1
; CURRENT APPLICATION NUMBER: US/09/396,196G
; PRIOR FILING DATE: 1999-09-15
```

```
; PRIOR APPLICATION NUMBER: 60/100,678
; PRIOR FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 127806
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 107253
; LENGTH: 25
; TYPE: DNA
; ORGANISM: mus musculus
US-09-396-196G-107253

Alignment Scores:
Pred. No.:      33.2      Length:      25
Score:          7.00      Matches:      7
Percent Similarity: 100.0%  Conservative: 0
Best Local Similarity: 100.0%  Mismatches: 0
Query Match:    3.6%      Indels:      0
DB:             3        Gaps:        0

US-10-030-937-9 (1-193) x US-09-396-196G-107253 (1-25)

Qy      125 CysProGluProLeuArgThr 131
Db      21 TGCTCGAGCCTCGAGAACT 1

RESULT 93
US-09-396-196G-108215/c
; Sequence 108215, Application US/09396196G
; Patent No. 6821724
; GENERAL INFORMATION:
; APPLICANT: Michael Mittmann
; APPLICANT: David Lockhart
; APPLICANT: Affymetrix, Inc.
; TITLE OF INVENTION: Methods of Genetic Analysis
; FILE REFERENCE: 3101.1
; CURRENT APPLICATION NUMBER: US/09/396,196G
; CURRENT FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: 60/100,678
; PRIOR FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 127806
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 108215
; LENGTH: 25
; TYPE: DNA
; ORGANISM: mus musculus
US-09-396-196G-108215

Alignment Scores:
Pred. No.:      33.2      Length:      25
Score:          7.00      Matches:      7
Percent Similarity: 100.0%  Conservative: 0
Best Local Similarity: 100.0%  Mismatches: 0
Query Match:    3.6%      Indels:      0
DB:             3        Gaps:        0

US-10-030-937-9 (1-193) x US-09-396-196G-108215 (1-25)

Qy      9 LeuLeuIleAlaLeuGlyLeu 15
Db      25 CTTCATAGCCTTGGGCCTT 5

RESULT 94
US-08-985-162-1452/c
; Sequence 1452, Application US/08985162
; Patent No. 6057156
; GENERAL INFORMATION:
; APPLICANT: Akhtar, Saghir
; APPLICANT: Fell, Patricia
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: ENZYMIC NUCLEIC ACID TREATMENT
; TITLE OF INVENTION: OF DISEASES OR CONDITIONS RELATED
; TITLE OF INVENTION: TO LEVELS OF EPIDERMAL GROWTH
; TITLE OF INVENTION: FACTOR RECEPTORS
```

```
; NUMBER OF SEQUENCES: 1877
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSeq for Windows 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/985,162
; FILING DATE: 04 December 1997
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/036,476
; FILING DATE: 31 January 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 230/107
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 1452:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 27 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; FEATURE:
; OTHER INFORMATION: The letter "N" stands for the stem
; OTHER INFORMATION: II region of a HH ribozyme.
US-08-985-162-1452

Alignment Scores:
Pred. No.:      35.7      Length:      27
Score:          7.00      Matches:      7
Percent Similarity: 100.0%  Conservative: 0
Best Local Similarity: 100.0%  Mismatches: 0
Query Match:    3.6%      Indels:      0
DB:             3        Gaps:        0

US-10-030-937-9 (1-193) x US-08-985-162-1452 (1-27)

Qy      173 ValLeuSerSerGlyLys 179
Db      24 GTTCTTCATCAGGCAAA 4

RESULT 95
US-08-584-040-472/c
; Sequence 472, Application US/08584040
; Patent No. 6346398
; GENERAL INFORMATION:
; APPLICANT: Pavco, Pamela
; APPLICANT: McSwiggen, James
; APPLICANT: Stinchcomb, Dan T.
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE
; TITLE OF INVENTION: TREATMENT OF DISEASES OR
; TITLE OF INVENTION: CONDITIONS RELATED TO LEVELS
; TITLE OF INVENTION: OF VASCULAR ENDOTHELIAL
; NUMBER OF SEQUENCES: 8502
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
```

STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/584,040
FILING DATE: January 11, 1996
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/005,974
FILING DATE: October 26, 1995
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 218/064
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 472:
SEQUENCE CHARACTERISTICS:
LENGTH: 27 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
FEATURE:
OTHER INFORMATION: The letter "N" represents the stem II region
OTHER INFORMATION: of an HH ribozyme.
US-08-584-040-472

Alignment Scores: 27
Pred. No.: 35.7 Length: 27
Score: 7.00 Matches: 7
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 3.6% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-08-584-040-472 (1-27)

QY 174 LeuSerSerSerglyArg 180
Db 21 CTTTCNTCATCGGAGAGG 1

RESULT 96
US-08-584-040-3423/C
Sequence 3423, Application US/08584040
Patent No. 6346398
GENERAL INFORMATION:
APPLICANT: Pavco, Pamela
APPLICANT: McSwiggen, James
APPLICANT: Stinchcomb, Dan T.
TITLE OF INVENTION: METHOD AND REAGENT FOR THE
TREATMENT OF DISEASES OR
CONDITIONS RELATED TO LEVELS
OF VASCULAR ENDOTHELIAL
GROWTH FACTOR
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: storage

ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/584,040
FILING DATE: January 11, 1996
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/005,974
FILING DATE: October 26, 1995
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 218/064
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 3423:
SEQUENCE CHARACTERISTICS:
LENGTH: 27 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
FEATURE:
OTHER INFORMATION: The letter "N" represents the stem II region
OTHER INFORMATION: of an HH ribozyme.
US-08-584-040-3423

Alignment Scores: 27
Pred. No.: 35.7 Length: 27
Score: 7.00 Matches: 7
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 3.6% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-08-584-040-3423 (1-27)

QY 172 SerValLeuSerSerSergly 178
Db 27 AGTGTTCTTCATCAGGG 7

RESULT 97
US-08-584-040-6526/c
Sequence 6526, Application US/08584040
Patent No. 6346398
GENERAL INFORMATION:
APPLICANT: Pavco, Pamela
APPLICANT: McSwiggen, James
APPLICANT: Stinchcomb, Dan T.
TITLE OF INVENTION: METHOD AND REAGENT FOR THE
TREATMENT OF DISEASES OR
CONDITIONS RELATED TO LEVELS
OF VASCULAR ENDOTHELIAL
GROWTH FACTOR
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: storage

```
;
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/584,040
; FILING DATE: January 11, 1996
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/005,974
; FILING DATE: October 26, 1995
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 218/064
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 6526:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 27 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; FEATURE:
; OTHER INFORMATION: The letter "N" represents the stem II region
; OF AN HH RIBOZYME.
;
; US-08-584-040-6526
;
; Alignment Scores:
; Pred. No.: 35.7 Length: 27
; Score: 7.00 Matches: 7
; Percent Similarity: 100.0% Conservative: 0
; Best Local Similarity: 100.0% Mismatches: 0
; Query Match: 3.6% Indels: 0
; DB: 3 Gaps: 0
;
; US-10-030-937-9 (1-193) x US-08-584-040-6526 (1-27)
;
; Qy 174 LeuSerSerGlyLysArg 180
; Db 21 CTTTCNTCATCAGGAAAAGA 1
;
; RESULT 98
; US-08-584-040-6640/c
; Sequence 6640, Application US/08584040
; Patent No. 6346398
; GENERAL INFORMATION:
; APPLICANT: Pavco, Pamela
; APPLICANT: McSwiggen, James
; APPLICANT: Stinchcomb, Dan T.
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE
; TITLE OF INVENTION: TREATMENT OF DISEASES OR
; TITLE OF INVENTION: CONDITIONS RELATED TO LEVELS
; TITLE OF INVENTION: OF VASCULAR ENDOTHELIAL
; TITLE OF INVENTION: GROWTH FACTOR
; NUMBER OF SEQUENCES: 8502
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
```

```
;
; APPLICATION NUMBER: US/08/584,040
; FILING DATE: January 11, 1996
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/005,974
; FILING DATE: October 26, 1995
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 218/064
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 6640:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 27 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; FEATURE:
; OTHER INFORMATION: The letter "N" represents the stem II region
; OF AN HH RIBOZYME.
;
; US-08-584-040-6640
;
; Alignment Scores:
; Pred. No.: 35.7 Length: 27
; Score: 7.00 Matches: 7
; Percent Similarity: 100.0% Conservative: 0
; Best Local Similarity: 100.0% Mismatches: 0
; Query Match: 3.6% Indels: 0
; DB: 3 Gaps: 0
;
; US-10-030-937-9 (1-193) x US-08-584-040-6640 (1-27)
;
; Qy 174 LeuSerSerGlyLysArg 180
; Db 21 CTTTCNTCATCAGGAAAGG 1
;
; RESULT 99
; US-09-401-063-1452/c
; Sequence 1452, Application US/09401063
; Patent No. 6623962
; GENERAL INFORMATION:
; APPLICANT: Akhtar, Saghir
; APPLICANT: Fell, Patricia
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: ENZYMATIC NUCLEIC ACID TREATMENT
; TITLE OF INVENTION: OF DISEASES OR CONDITIONS RELATED
; TITLE OF INVENTION: TO LEVELS OF EPIDERMAL GROWTH
; TITLE OF INVENTION: FACTOR RECEPTORS
; NUMBER OF SEQUENCES: 1877
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSeq for Windows 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/401,063
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/985,162
; FILING DATE: 04 December 1997
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; APPLICATION NUMBER: 60/036,476
; FILING DATE: 31 January 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 230/107
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 1452:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 27 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; FEATURE:
; OTHER INFORMATION: The letter "N" stands for the stem
; OTHER INFORMATION: II region of a HH ribozyme.
US-09-401-063-1452

Alignment Scores:
Pred. No.: 35.7 Length: 27
Score: 7.00 Matches: 7
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 3.6% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-401-063-1452 (1-27)

QY 173 ValLeuSerSerGlyLys 179
Db 24 GTTCTTTCNTCATCAGGCAAA 4

RESULT 100
US-10-131-827-3778/c
; Sequence 3778, Application US/10131827
; Patent No. 6905827
; GENERAL INFORMATION:
; APPLICANT: Wohlgemuth, Jay
; APPLICANT: Fry, Kirk
; APPLICANT: Woodward, Robert
; APPLICANT: Ly, Ngoc
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING AND MONITORING AUTOIMMUNE
; FILE REFERENCE: 506612000120
; CURRENT APPLICATION NUMBER: US/10/131,827
; CURRENT FILING DATE: 2002-09-06
; PRIOR APPLICATION NUMBER: US 10/006,290
; PRIOR FILING DATE: 2001-10-22
; PRIOR APPLICATION NUMBER: US 60/296,764
; PRIOR FILING DATE: 2001-06-08
; NUMBER OF SEQ ID NOS: 9090
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 3778
; LENGTH: 50
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-131-827-3778

Alignment Scores:
Pred. No.: 65 Length: 50
Score: 7.00 Matches: 7
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 3.6% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-10-131-827-3778 (1-50)

QY 64 ValThrLeuSerValValGly 70
Db 64 ValThrLeuSerValValGly 70
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Db 22 GTCACTCTTTCACTGGTGGGC 2

Search completed: February 16, 2006, 14:47:58
Job time : 1515 secs

GenCore version 5.1.7
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OM protein - protein search, using sw model

Run on: February 15, 2006, 09:26:44 ; Search time 20.2667 Seconds
(without alignments)
329.865 Million cell updates/sec

Title: US-10-030-937-68

Perfect score: 94

Sequence: 1 FSWDCPEGKDPVIR 16

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA Main:

- 1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep.*
- 3: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep.*
- 4: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep.*
- 5: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep.*
- 6: /cgn2_6/ptodata/1/pubpaa/US11_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description |
|------------|-------|-------------|--------|----|----------------------|
| 1 | 85 | 90.4 | 193 | 4 | US-10-170-385-389 |
| 2 | 85 | 90.4 | 193 | 5 | US-10-723-860-529 |
| 3 | 85 | 90.4 | 193 | 5 | US-10-450-763-31079 |
| 4 | 57 | 60.6 | 126 | 3 | US-09-764-891-4977 |
| 5 | 57 | 60.6 | 191 | 4 | US-10-264-049-2611 |
| 6 | 47 | 50.0 | 620 | 4 | US-10-369-493-14781 |
| 7 | 47 | 50.0 | 623 | 4 | US-10-369-493-14935 |
| 8 | 47 | 50.0 | 649 | 4 | US-10-369-493-11373 |
| 9 | 46 | 48.9 | 101 | 4 | US-10-425-115-246626 |
| 10 | 46 | 48.9 | 211 | 4 | US-10-225-066A-96 |
| 11 | 46 | 48.9 | 211 | 4 | US-10-374-780A-2846 |
| 12 | 46 | 48.9 | 211 | 5 | US-10-732-923-5447 |
| 13 | 46 | 48.9 | 211 | 5 | US-10-225-066A-96 |
| 14 | 46 | 48.9 | 588 | 4 | US-10-282-122A-77389 |
| 15 | 45 | 47.9 | 493 | 4 | US-10-369-493-4327 |
| 16 | 45 | 47.9 | 493 | 4 | US-10-369-493-7083 |
| 17 | 45 | 47.9 | 1411 | 4 | US-10-282-122A-43060 |
| 18 | 44 | 46.8 | 74 | 4 | US-10-437-963-110611 |
| 19 | 44 | 46.8 | 90 | 4 | US-10-425-115-350643 |
| 20 | 44 | 46.8 | 108 | 4 | US-10-425-115-351913 |
| 21 | 44 | 46.8 | 131 | 5 | US-10-935-098-99 |
| 22 | 44 | 46.8 | 131 | 5 | US-10-472-533-541 |
| 23 | 44 | 46.8 | 132 | 3 | US-09-739-907-99 |
| 24 | 44 | 46.8 | 132 | 3 | US-09-938-671-99 |
| 25 | 44 | 46.8 | 172 | 3 | US-09-739-907-87 |
| 26 | 44 | 46.8 | 172 | 3 | US-09-938-671-87 |
| 27 | 44 | 46.8 | 172 | 5 | US-10-933-098-87 |

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28 44 46.8 172 5 US-10-472-533-540 Sequence 540, App
29 44 46.8 177 3 US-09-833-245-1188 Sequence 1188, Ap
30 44 46.8 182 3 US-09-739-907-191 Sequence 191, App
31 44 46.8 182 3 US-09-938-671-191 Sequence 191, App
32 44 46.8 182 5 US-10-935-098-191 Sequence 191, App
33 44 46.8 213 4 US-10-425-115-224812 Sequence 224812,
34 44 46.8 320 5 US-10-472-533-422 Sequence 422, App
35 44 46.8 330 3 US-09-833-245-1189 Sequence 1189, Ap
36 44 46.8 357 5 US-10-495-148-44 Sequence 44, Appl
37 44 46.8 406 3 US-09-731-872-245 Sequence 245, App
38 44 46.8 406 3 US-09-876-997-245 Sequence 245, App
39 44 46.8 406 3 US-09-978-360A-430 Sequence 430, App
40 44 46.8 406 4 US-10-028-072-66 Sequence 66, Appl
41 44 46.8 406 4 US-10-028-072-258 Sequence 258, App
42 44 46.8 406 4 US-10-140-808-66 Sequence 66, Appl
43 44 46.8 406 4 US-10-140-808-258 Sequence 258, App
44 44 46.8 406 4 US-10-121-049-66 Sequence 66, Appl
45 44 46.8 406 4 US-10-121-049-258 Sequence 258, App

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ALIGNMENTS

RESULT 1

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US-10-170-385-389
; Sequence 389, Application US/10170385
; Publication No. US20030203372A1
; GENERAL INFORMATION:
; APPLICANT: Ward, Neil Raymond
; APPLICANT: Mundy, Christopher Robert
; APPLICANT: Kan, On
; APPLICANT: Harris, Robert Alan
; APPLICANT: White, Jonathan
; APPLICANT: Binley, Katie Mary
; APPLICANT: Rayner, William Nigel
; APPLICANT: Naylor, Stuart
; APPLICANT: Kingman, Susan Mary
; APPLICANT: Krige, David
; TITLE OF INVENTION: ANALYSIS METHOD
; FILE REFERENCE: 532682000100
; CURRENT APPLICATION NUMBER: US/10/170,385
; CURRENT FILING DATE: 2002-06-12
; PRIOR APPLICATION NUMBER: PCT/GB02/01662
; PRIOR FILING DATE: 2002-04-08
; PRIOR APPLICATION NUMBER: PCT/GB01/05458
; PRIOR FILING DATE: 2001-12-10
; NUMBER OF SEQ ID NOS: 549
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 389
; LENGTH: 193
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-10-170-385-389

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Query Match          90.4%; Score 85; DB 4; Length 193;
Best Local Similarity 93.8%; Pred. No. Seq-06;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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QY 1 FSWDCPEGKDPVIR 16
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DB 34 FSWDCDEGKDPVIR 49

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RESULT 2

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US-10-723-860-529
; Sequence 529, Application US/10723860
; Publication No. US20040253606A1
; GENERAL INFORMATION:
; APPLICANT: Aziz, Natasha
; APPLICANT: Ginsburg, Wendy M.
; APPLICANT: Zlotnik, Albert
; TITLE OF INVENTION: Methods of Diagnosis of Soft Tissue Sarcoma, Compositions &
; TITLE OF INVENTION: Methods for Screening for Soft Tissue Sarcoma Modulators

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; FILE REFERENCE: 05882.0193.NPUS01
; CURRENT APPLICATION NUMBER: US/10/723,860
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: 60/429,739
; PRIOR FILING DATE: 2002-11-26
; NUMBER OF SEQ ID NOS: 8393
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 529
; LENGTH: 193
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-723-860-529

Query Match          90.4%; Score 85; DB 5; Length 193;
Best Local Similarity 93.8%; Pred. No. 5e-06;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 FSWDNCDEGKDPVAVR 16
Db 34 FSWDNCDEGKDPVAVR 49

RESULT 3
US-10-450-763-31079
; Sequence 31079, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 31079
; LENGTH: 193
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-450-763-31079

Query Match          90.4%; Score 85; DB 5; Length 193;
Best Local Similarity 93.8%; Pred. No. 5e-06;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 FSWDNCDEGKDPVAVR 16
Db 34 FSWDNCDEGKDPVAVR 49

RESULT 4
US-09-764-891-4977
; Sequence 4977, Application US/09764891
; Publication No. US20030077808A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC006
; CURRENT APPLICATION NUMBER: US/09/764,891
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 10231
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4977
; LENGTH: 126
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
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; NAME/KEY: SITE
; LOCATION: (119)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (122)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (123)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-764-891-4977

Query Match          60.6%; Score 57; DB 3; Length 126;
Best Local Similarity 50.0%; Pred. No. 0.17;
Matches 8; Conservative 4; Mismatches 4; Indels 0; Gaps 0;

QY 1 FSWDNCDEGKDPVAVR 16
Db 52 FFWENCHERKDPVLLK 67

RESULT 5
US-10-264-049-2611
; Sequence 2611, Application US/10264049
; Publication No. US20040005579A1
; GENERAL INFORMATION:
; APPLICANT: Birse et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PA133P1
; CURRENT APPLICATION NUMBER: US/10/264,049
; CURRENT FILING DATE: 2002-10-04
; PRIOR APPLICATION NUMBER: PCT/US01/18569
; PRIOR FILING DATE: 2001-06-07
; PRIOR APPLICATION NUMBER: US 60/209,467
; PRIOR FILING DATE: 2000-06-07
; NUMBER OF SEQ ID NOS: 4360
; SOFTWARE: PatentIn Ver. 3.1
; SEQ ID NO 2611
; LENGTH: 191
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (141)
; OTHER INFORMATION: Xaa equals any of the twenty naturally occurring L-amino acids
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (142)
; OTHER INFORMATION: Xaa equals any of the twenty naturally occurring L-amino acids
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (184)
; OTHER INFORMATION: Xaa equals any of the twenty naturally occurring L-amino acids
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (187)
; OTHER INFORMATION: Xaa equals any of the twenty naturally occurring L-amino acids
US-10-264-049-2611

Query Match          60.6%; Score 57; DB 4; Length 191;
Best Local Similarity 50.0%; Pred. No. 0.26;
Matches 8; Conservative 4; Mismatches 4; Indels 0; Gaps 0;

QY 1 FSWDNCDEGKDPVAVR 16
Db 52 FFWENCHERKDPVLLK 67

RESULT 6
US-10-369-493-14781
; Sequence 14781, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
```



```
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 14781
; LENGTH: 620
; TYPE: PRT
; ORGANISM: Agrobacterium tumefaciens
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(620)
; OTHER INFORMATION: unsure at all Xaa locations
US-10-369-493-14781

Query Match          50.0%; Score 47; DB 4; Length 620;
Best Local Similarity 56.2%; Pred. No. 43;
Matches 9; Conservative 3; Mismatches 2; Indels 2; Gaps 1;

Qy 2 SWDNCFEG--KDAVPI 15
   ||| ||| ||| |||
Db 459 SWNGFEGLTDDPAIV 474

RESULT 7
US-10-369-493-14935
; Sequence 14935, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 14935
; LENGTH: 623
; TYPE: PRT
; ORGANISM: Agrobacterium tumefaciens
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(623)
; OTHER INFORMATION: unsure at all Xaa locations
US-10-369-493-14935

Query Match          50.0%; Score 47; DB 4; Length 623;
Best Local Similarity 56.2%; Pred. No. 43;
Matches 9; Conservative 3; Mismatches 2; Indels 2; Gaps 1;

Qy 2 SWDNCFEG--KDAVPI 15
   ||| ||| ||| |||
Db 458 SWNGFEGLTDDPAIV 473

RESULT 8
US-10-369-493-11373
; Sequence 11373, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 11373
; LENGTH: 649
; TYPE: PRT
; ORGANISM: Agrobacterium tumefaciens
US-10-369-493-11373

Query Match          50.0%; Score 47; DB 4; Length 649;
Best Local Similarity 56.2%; Pred. No. 45;
Matches 9; Conservative 3; Mismatches 2; Indels 2; Gaps 1;

Qy 2 SWDNCFEG--KDAVPI 15
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Db 465 SWNGFEGLTDDPAIV 480

RESULT 9
US-10-425-115-246626
; Sequence 246626, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 246626
; LENGTH: 101
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_156506C.1.pep
US-10-425-115-246626

Query Match          48.9%; Score 46; DB 4; Length 101;
Best Local Similarity 46.2%; Pred. No. 9.4;
Matches 6; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

Qy 3 WDNCFEGKDAVPI 15
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Db 28 WNSCFHGPEPPVM 40

RESULT 10
US-10-225-066A-96
; Sequence 96, Application US/10225066A
; Publication No. US20030226173A1
; GENERAL INFORMATION:
; APPLICANT: Mendel Biotechnology, Inc.
; APPLICANT: RATCLIFFE, Oliver
; APPLICANT: RIECHMANN, Jose Luis
; APPLICANT: ADAM, Luc J
; APPLICANT: DUBELL, Arnold T
; APPLICANT: HEARD, Jacqueline E
; APPLICANT: PILGRIM, Marsha L
; APPLICANT: JIANG, Cai-Zhong
```

; APPLICANT: REUBER, T. Lynne
; APPLICANT: CREELMAN, Robert A
; APPLICANT: PINEDA, Omaira
; APPLICANT: YU, Guo-Liang
; APPLICANT: BROWN, Pierre E
; TITLE OF INVENTION: Yield-Related Polynucleotides and Polypeptides in Plants
; FILE REFERENCE: MEI0036-2 US
; CURRENT APPLICATION NUMBER: US/10/225,066A
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: 09/837,444
; PRIOR FILING DATE: 2001-04-18
; PRIOR APPLICATION NUMBER: 60/310,847
; PRIOR FILING DATE: 2001-08-09
; PRIOR APPLICATION NUMBER: 60/336,049
; PRIOR FILING DATE: 2001-12-05
; PRIOR APPLICATION NUMBER: 60/338,692
; PRIOR FILING DATE: 2001-12-11
; PRIOR APPLICATION NUMBER: 10/171,468
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 1122
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 96
; LENGTH: 211
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-10-225-066A-96

Query Match 48.9%; Score 46; DB 4; Length 211;
Best Local Similarity 70.0%; Pred. No. 20;
Matches 7; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 2 SWDNCFEKGD 11
|||:|
Db 169 SWYNCDFGDD 178

RESULT 11
US-10-374-780A-2846
; Sequence 2846, Application US/10374780A
; Publication No. US20040019927A1
; GENERAL INFORMATION:
; APPLICANT: Sherman, Bradley K
; APPLICANT: Riechmann, Jose Luis
; APPLICANT: Jiang, Cai-Zhong
; APPLICANT: Heard, Jacqueline E
; APPLICANT: Haake, Volker
; APPLICANT: Creelman, Robert A
; APPLICANT: Ratcliffe, Oliver
; APPLICANT: Adam, Luc J
; APPLICANT: Reuber, T. Lynne
; APPLICANT: Keddle, James
; APPLICANT: Brown, Pierre E
; APPLICANT: Pilgrim, Marsha L
; APPLICANT: Dubell III, Arnold T
; APPLICANT: Pineda, Omaira
; APPLICANT: Yu, Guo-Liang
; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES IN PLANTS
; CURRENT APPLICATION NUMBER: US/10/374,780A
; CURRENT FILING DATE: 2003-02-25
; PRIOR APPLICATION NUMBER: 09/837,944
; PRIOR FILING DATE: 2001-04-18
; PRIOR APPLICATION NUMBER: 60/310,847
; PRIOR FILING DATE: 2001-08-09
; PRIOR APPLICATION NUMBER: 09/934,455
; PRIOR FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: 60/336,049
; PRIOR FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/338,692
; PRIOR FILING DATE: 2001-12-11
; PRIOR APPLICATION NUMBER: 10/171,468
; PRIOR FILING DATE: 2002-06-14
; PRIOR APPLICATION NUMBER: 10/225,066

; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: 10/225,067
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: 10/225,068
; PRIOR FILING DATE: 2002-08-09
; NUMBER OF SEQ ID NOS: 2906
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2846
; LENGTH: 211
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
; FEATURE:
; OTHER INFORMATION: G2294
US-10-374-780A-2846

Query Match 48.9%; Score 46; DB 4; Length 211;
Best Local Similarity 70.0%; Pred. No. 20;
Matches 7; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 2 SWDNCFEKGD 11
|||:|
Db 169 SWYNCDFGDD 178

RESULT 12
US-10-732-923-5447
; Sequence 5447, Application US/10732923
; Publication No. US20050108791A1
; GENERAL INFORMATION:
; APPLICANT: Edgercon, Michael D
; TITLE OF INVENTION: TRANSGENIC PLANTS WITH IMPROVED PHENOTYPES
; FILE REFERENCE: 38-15(52796)C
; CURRENT APPLICATION NUMBER: US/10/732,923
; CURRENT FILING DATE: 2003-12-10
; PRIOR APPLICATION NUMBER: 10/310,154
; PRIOR FILING DATE: 2002-12-04
; NUMBER OF SEQ ID NOS: 24149
; SEQ ID NO 5447
; LENGTH: 211
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-10-732-923-5447

Query Match 48.9%; Score 46; DB 5; Length 211;
Best Local Similarity 70.0%; Pred. No. 20;
Matches 7; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 2 SWDNCFEKGD 11
|||:|
Db 169 SWYNCDFGDD 178

RESULT 13
US-10-225-066A-96
; Sequence 96, Application US/10225066A
; Publication No. US20050160493A9
; GENERAL INFORMATION:
; APPLICANT: Mendel Biotechnology, Inc.
; APPLICANT: RATCLIFFE, Oliver
; APPLICANT: RIECHMANN, Jose Luis
; APPLICANT: ADAM, Luc J
; APPLICANT: DUBELL, Arnold T
; APPLICANT: HEARD, Jacqueline E
; APPLICANT: PILGRIM, Marsha L
; APPLICANT: JIANG, Cai-Zhong
; APPLICANT: REUBER, T. Lynne
; APPLICANT: CREELMAN, Robert A
; APPLICANT: PINEDA, Omaira
; APPLICANT: YU, Guo-Liang
; APPLICANT: BROWN, Pierre E
; TITLE OF INVENTION: Yield-Related Polynucleotides and Polypeptides in Plants
; FILE REFERENCE: MEI0036-2 US
; CURRENT APPLICATION NUMBER: US/10/225,066A

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; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: 09/837,444
; PRIOR FILING DATE: 2001-04-18
; PRIOR APPLICATION NUMBER: 60/310,847
; PRIOR FILING DATE: 2001-08-09
; PRIOR APPLICATION NUMBER: 60/336,049
; PRIOR FILING DATE: 2001-12-05
; PRIOR APPLICATION NUMBER: 60/338,692
; PRIOR FILING DATE: 2001-12-11
; PRIOR APPLICATION NUMBER: 10/171,468
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 1122
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 96
; LENGTH: 211
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-10-225-066A-96

Query Match      48.9%; Score 46; DB 5; Length 211;
Best Local Similarity 70.0%; Pred. No. 20;
Matches 7; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy      2 SWDNCFEKGD 11
Db      169 SWYNCFDGDD 178

RESULT 14
US-10-282-122A-77389
; Sequence 77389, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 77389

; LENGTH: 588
; TYPE: PRT
; ORGANISM: Vibrio cholerae
US-10-282-122A-77389

Query Match      48.9%; Score 46; DB 4; Length 588;
Best Local Similarity 57.1%; Pred. No. 60;
Matches 8; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

Qy      3 WDNCFEGKDPVIR 16
Db      447 WENSKGGEDPVVIR 460

RESULT 15
US-10-369-493-4327
; Sequence 4327, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 4327
; LENGTH: 493
; TYPE: PRT
; ORGANISM: Burkholderia fungorum
US-10-369-493-4327

Query Match      47.9%; Score 45; DB 4; Length 493;
Best Local Similarity 58.3%; Pred. No. 74;
Matches 7; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy      3 WDNCFEGKDPVIR 14
Db      449 WVNCYQVMDPAV 460

Search completed: February 15, 2006, 09:32:19
Job time : 21.2667 secs
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GenCore version 5.1.7
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OM protein - protein search, using sw model

Run on: February 15, 2006, 09:27:39 ; Search time 1.84889 Seconds
(without alignments)
122.986 Million cell updates/sec

Title: US-10-030-937-68

Perfect score: 94

Sequence: 1 FSWDNCPEKDPVIR 16

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 107799 seqs, 14211699 residues

Total number of hits satisfying chosen parameters: 107799

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA New:

- 1: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pep.*
- 2: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep.*
- 3: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pep.*
- 4: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep.*
- 5: /cgn2_6/ptodata/2/pubpaa/US05_NEW_PUB.pep.*
- 6: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
- 7: /cgn2_6/ptodata/2/pubpaa/US11_NEW_PUB.pep.*
- 8: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | DB ID | Description |
|------------|-------|-------------|--------|-------|--------------------|
| 1 | 85 | 90.4 | 201 | 6 | US-10-821-234-1162 |
| 2 | 44 | 46.8 | 406 | 5 | US-09-978-360A-430 |
| 3 | 44 | 46.8 | 406 | 6 | US-10-131-826A-66 |
| 4 | 44 | 46.8 | 406 | 6 | US-10-131-826A-258 |
| 5 | 40.5 | 43.1 | 246 | 6 | US-10-454-437-206 |
| 6 | 40.5 | 43.1 | 422 | 6 | US-10-454-437-202 |
| 7 | 40.5 | 43.1 | 422 | 7 | US-11-055-822-372 |
| 8 | 40 | 42.6 | 304 | 6 | US-10-793-626-2190 |
| 9 | 40 | 42.6 | 308 | 6 | US-10-512-340-43 |
| 10 | 39.5 | 42.0 | 388 | 6 | US-10-527-500-51 |
| 11 | 39 | 41.5 | 239 | 7 | US-11-000-463-875 |
| 12 | 39 | 41.5 | 239 | 7 | US-11-000-463-876 |
| 13 | 39 | 41.5 | 261 | 7 | US-11-000-463-404 |
| 14 | 38.5 | 41.0 | 393 | 6 | US-10-527-500-49 |
| 15 | 38 | 40.4 | 153 | 7 | US-11-098-765-2 |
| 16 | 38 | 40.4 | 177 | 7 | US-11-098-765-4 |
| 17 | 38 | 40.4 | 184 | 7 | US-11-237-600-77 |
| 18 | 38 | 40.4 | 192 | 7 | US-11-237-600-69 |
| 19 | 38 | 40.4 | 194 | 6 | US-10-878-556A-130 |
| 20 | 38 | 40.4 | 198 | 7 | US-11-237-600-7 |
| 21 | 38 | 40.4 | 269 | 7 | US-11-000-463-403 |
| 22 | 38 | 40.4 | 2326 | 7 | US-11-126-313-37 |
| 23 | 37 | 39.4 | 12 | 7 | US-11-188-552-16 |
| 24 | 37 | 39.4 | 117 | 7 | US-11-072-512-2724 |
| 25 | 37 | 39.4 | 252 | 6 | US-10-527-500-19 |

Sequence 20, Appl
Sequence 42, Appl
Sequence 187, App
Sequence 1568, Ap
Sequence 76, Appl
Sequence 68, Appl
Sequence 70, Appl
Sequence 1, Appl
Sequence 442, App
Sequence 490, App
Sequence 70, Appl
Sequence 1609, Ap
Sequence 7, Appl
Sequence 2, Appl
Sequence 122, App
Sequence 917, App
Sequence 11063, A
Sequence 1100, Ap
Sequence 20, Appl
Sequence 28, Appl

26 37 39.4 538 7 US-11-167-856-20
27 36.5 38.8 421 6 US-10-525-710-42
28 36 38.3 132 7 US-11-169-041-187
29 36 38.3 262 6 US-10-793-626-1568
30 36 38.3 430 6 US-10-877-346-76
31 36 38.3 451 6 US-10-508-263-68
32 36 38.3 451 6 US-10-508-263-70
33 36 38.3 1042 7 US-11-067-811-1
34 35.5 37.8 519 7 US-11-033-039-442
35 35.5 37.8 536 6 US-10-131-826A-490
36 35 37.2 196 7 US-11-237-600-70
37 35 37.2 201 6 US-10-821-234-1609
38 35 37.2 234 7 US-11-194-890-7
39 35 37.2 254 7 US-11-224-076-2
40 35 37.2 260 7 US-11-052-554A-122
41 35 37.2 273 6 US-10-995-561-917
42 35 37.2 315 7 US-11-098-686-11063
43 35 37.2 408 6 US-10-821-234-1100
44 35 37.2 450 7 US-11-087-100-20
45 35 37.2 450 7 US-11-087-100-28

ALIGNMENTS

RESULT 1

US-10-821-234-1162
; Sequence 1162, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR FILING DATE: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: Pf SEQ_genes Version 1.0
; SEQ ID NO 1162
; LENGTH: 201
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-821-234-1162

Query Match 90.4%; Score 85; DB 6; Length 201;
Best Local Similarity 93.8%; Pred. No. 6.1e-07;
Matches 15; Conservative 0; Mismatches ~ 1; Indels 0; Gaps 0;

Qy 1 FSWDNCPEKDPVIR 16

Db 42 FSWDNCPEKDPVIR 57

RESULT 2

US-09-978-360A-430
; Sequence 430, Application US/09978360A
; Publication No. US20060009633A9
; GENERAL INFORMATION:
; APPLICANT: Edwards, Jean-Baptiste Dumas Milne
; APPLICANT: Duclert, Aymeric
; APPLICANT: Bougueleret, Lydie
; APPLICANT: Jobert, Severin
; APPLICANT: Clusel, Catherine
; TITLE OF INVENTION: Complementary DNA's Encoding Proteins with Signal Peptides
; FILE REFERENCE: 56.US4.CIP
; CURRENT APPLICATION NUMBER: US/09/978,360A
; CURRENT FILING DATE: 2001-10-15
; PRIOR FILING DATE: US 60/066,677
; PRIOR FILING DATE: 1997-11-13

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; PRIOR APPLICATION NUMBER: US 60/069,957
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: US 60/074,121
; PRIOR FILING DATE: 1998-02-09
; PRIOR APPLICATION NUMBER: US 60/081,563
; PRIOR FILING DATE: 1998-04-13
; PRIOR APPLICATION NUMBER: US 60/096,116
; PRIOR FILING DATE: 1998-08-10
; PRIOR APPLICATION NUMBER: US 60/099,273
; PRIOR FILING DATE: -09-04
; PRIOR APPLICATION NUMBER: US 09/191,997
; PRIOR FILING DATE: 1998-11-13
; PRIOR APPLICATION NUMBER: US 09/215,435
; PRIOR FILING DATE: 1998-12-17
; PRIOR APPLICATION NUMBER: PCT/IB98/02122
; PRIOR FILING DATE: 1998-12-17
; PRIOR APPLICATION NUMBER: US 09/247,155
; PRIOR FILING DATE: 1999-02-09
; Remaining Prior Application data removed
; NUMBER OF SEQ ID NOS: 810
; SOFTWARE: Patent.pm
; SEQ ID NO 430
; LENGTH: 406
; TYPE: PRT
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: SIGNAL
; LOCATION: -35..-1
US-09-978-360A-430

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Query Match 46.8%; Score 44; DB 5; Length 406;
Best Local Similarity 46.7%; Pred.No. 5.3;
Matches 7; Conservative 3; Mismatches 5; Indels

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Qy      1 FSWDNCFEKGDPAVI 15
        |||:| : |||:
Db     155 FSWNNITDSDLDPATL 169

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RESULT 3
US/10-131-826A-66
; Sequence 66, Application US/10131826A
; Publication No. US20050245730A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Bresini, Maureen
; APPLICANT: Berge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSFERRED
; FILE REFERENCE: F330R1C128
; CURRENT APPLICATION NUMBER: US/10/131
; CURRENT FILING DATE: 2002-04-24
; PRIORITY APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115

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, PRIOR FILING DATE: 1997-09-17
, PRIOR APPLICATION NUMBER: 60/059117
, PRIOR FILING DATE: 1997-09-17
, PRIOR APPLICATION NUMBER: 60/059122
, PRIOR FILING DATE: 1997-09-17
, PRIOR APPLICATION NUMBER: 60/059184
, PRIOR FILING DATE: 1997-09-17
, PRIOR APPLICATION NUMBER: 60/059263
, PRIOR FILING DATE: 1997-09-18
, PRIOR APPLICATION NUMBER: 60/059352
, PRIOR FILING DATE: 1997-09-19
, PRIOR APPLICATION NUMBER: 60/059588
, PRIOR FILING DATE: 1997-09-19
, Remaining Prior Application data re
, NUMBER OF SEQ ID NOS: 550
, SEQ ID NO 66
, LENGTH: 406
, TYPE: PRT
, ORGANISM: Homo Sapien
US-10-131-826A-66

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Query Match 46.8%; Score 44; DB 6; Length 406;
Best Local Similarity 46.7%; Pred. No. 5.3;
Matches 7; Conservative 3; Mismatches 5; Indels

QY 1 FSWDCNCFEGKDP AVI 15
|||:|:|:|:|:
Db 155 FSWNNITDSDLDPATL 169

RESULT 4

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US-10-131-826A-258
; Sequence 238, Application US/10131826A
; Publication No. US20050245730A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Pilvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSFERRED
; TITLE OF INVENTION: ACIDS ENCODING T1
; FILE REFERENCE: P3330R1C128
; CURRENT APPLICATION NUMBER: US/10/131
; CURRENT FILING DATE: 2002-04-24
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18

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; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 258
; LENGTH: 406
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-131-826A-258

Query Match          46.8%; Score 44; DB 6; Length 406;
Best Local Similarity 46.7%; Pred. No. 5.3;
Matches 7; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

Qy 1 FSWDNCFEGKDPVAVI 15
    ||||| : ||| :
Db 155 FSWNNTSLDPAVL 169

RESULT 5
US-10-454-437-206
; Sequence 206, Application US/10454437
; Publication No. US20050277115A1
; GENERAL INFORMATION:
; APPLICANT: Pompejus, Markus
; APPLICANT: Kroger, Burkhard
; APPLICANT: Schroder, Hartwig
; APPLICANT: Zelder, Oskar
; APPLICANT: Haberhauer, Gregor
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING PROTEINS
; FILE REFERENCE: BGI-128CPCN
; CURRENT APPLICATION NUMBER: US/10/454,437
; PRIOR FILING DATE: 2003-06-13
; PRIOR APPLICATION NUMBER: US 60/141031
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: DE 19931636.8
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19932125.6
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932126.4
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932127.2
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932128.0
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932129.9
; PRIOR FILING DATE: 1999-07-19
; PRIOR APPLICATION NUMBER: DE 19932226.0
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932920.6
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19932922.2
; PRIOR FILING DATE: 1999-07-14
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 442
; SEQ ID NO 206
; LENGTH: 246
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-10-454-437-206

Query Match          43.1%; Score 40.5; DB 6; Length 246;
Best Local Similarity 34.6%; Pred. No. 12;
Matches 9; Conservative 1; Mismatches 5; Indels 11; Gaps 1;

Qy 1 FSWDNCF-----EGKDPVAVI 15
    ||||| : ||| :
Db 151 FSWKNCLSEGGSHLPVHDGSDAVVI 176

US-10-454-437-206

; Sequence 206, Application US/10454437
; Publication No. US20050277115A1
; GENERAL INFORMATION:
; APPLICANT: Pompejus, Markus
; APPLICANT: Kroger, Burkhard
; APPLICANT: Schroder, Hartwig
; APPLICANT: Zelder, Oskar
; APPLICANT: Haberhauer, Gregor
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING PROTEINS
; FILE REFERENCE: BGI-128CPCN
; CURRENT APPLICATION NUMBER: US/10/454,437
; PRIOR FILING DATE: 2003-06-13
; PRIOR APPLICATION NUMBER: US 60/141031
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: DE 19931636.8
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19932125.6
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932126.4
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932127.2
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932128.0
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932129.9
; PRIOR FILING DATE: 1999-07-19
; PRIOR APPLICATION NUMBER: DE 19932226.0
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932920.6
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19932922.2
; PRIOR FILING DATE: 1999-07-14
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 442
; SEQ ID NO 206
; LENGTH: 246
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-10-454-437-206

Query Match          43.1%; Score 40.5; DB 6; Length 246;
Best Local Similarity 34.6%; Pred. No. 12;
Matches 9; Conservative 1; Mismatches 5; Indels 11; Gaps 1;

Qy 1 FSWDNCF-----EGKDPVAVI 15
    ||||| : ||| :
Db 151 FSWKNCLSEGGSHLPVHDGSDAVVI 176

US-10-454-437-206
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RESULT 6
US-10-454-437-202
; Sequence 202, Application US/10454437
; Publication No. US20050277115A1
; GENERAL INFORMATION:
; APPLICANT: Pompejus, Markus
; APPLICANT: Kroger, Burkhard
; APPLICANT: Schroder, Hartwig
; APPLICANT: Zelder, Oskar
; APPLICANT: Haberhauer, Gregor
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING PROTEINS
; FILE REFERENCE: BGI-128CPCN
; CURRENT APPLICATION NUMBER: US/10/454,437
; PRIOR FILING DATE: 2003-06-13
; PRIOR APPLICATION NUMBER: US 60/141031
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: DE 19931636.8
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19932125.6
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932126.4
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932127.2
; PRIOR FILING DATE: 1999-07-09
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; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932129.9
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; PRIOR APPLICATION NUMBER: DE 19932226.0
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932920.6
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19932922.2
; PRIOR FILING DATE: 1999-07-14
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 442
; SEQ ID NO 202
; LENGTH: 422
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-10-454-437-202

Query Match          43.1%; Score 40.5; DB 6; Length 422;
Best Local Similarity 34.6%; Pred. No. 20;
Matches 9; Conservative 1; Mismatches 5; Indels 11; Gaps 1;

Qy 1 FSWDNCF-----EGKDPVAVI 15
    ||||| : ||| :
Db 145 FSWKNCLSEGGSHLPVHDGSDAVVI 170

US-10-454-437-202

; Sequence 372, Application US/11055822
; Publication No. US20050260707A1
; GENERAL INFORMATION:
; APPLICANT: Pompejus, Markus
; APPLICANT: Kroger, Burkhard
; APPLICANT: Schroder, Hartwig
; APPLICANT: Zelder, Oskar
; APPLICANT: Haberhauer, Gregor
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING
; FILE REFERENCE: BGI-121CPCN
; CURRENT APPLICATION NUMBER: US/11/055,822
; CURRENT FILING DATE: 2005-02-11
; PRIOR APPLICATION NUMBER: 09/606,740
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: 60/141,031
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: 60/142,101
; PRIOR FILING DATE: 1999-07-02
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; PRIOR APPLICATION NUMBER: 60/148,613
; PRIOR FILING DATE: 1999-08-12
; PRIOR APPLICATION NUMBER: 60/187,970
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: DE 19930476.9
; PRIOR FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: DE 19931415.2
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19931418.7
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19931419.5
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19931420.9
; PRIOR FILING DATE: 1999-07-08
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1158
; SEQ ID NO 372
; LENGTH: 422
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-11-055-822-372

Query Match      43.1%; Score 40.5; DB 7; Length 422;
Best Local Similarity 34.6%; Pred. No. 20;
Matches 9; Conservative 1; Mismatches 5; Indels 11; Gaps 1;

Qy 1 FSWDNCF-----EGKDAVI 15
   ||| |||
Db 145 FSWKNCLSESGSHLPVHDGDAVI 170

RESULT 8
US-10-793-626-2190
; Sequence 2190, Application US/10793626
; Publication No. US20050255478A1
; GENERAL INFORMATION:
; APPLICANT: KIMMERLY, WILLIAM JOHN
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
; FILE REFERENCE: PU3480US
; CURRENT APPLICATION NUMBER: US/10/793,626
; PRIOR FILING DATE: 2004-03-04
; PRIOR APPLICATION NUMBER: 60/164,258
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 4472
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2190
; LENGTH: 304
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
; OTHER INFORMATION: amino acid sequence
US-10-793-626-2190

Query Match      42.6%; Score 40; DB 6; Length 304;
Best Local Similarity 60.0%; Pred. No. 18;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 6 CFEGKQPAVI 15
   ||| ||| |||
Db 180 CFSGKQPTKV 189

RESULT 9
US-10-512-340-43
; Sequence 43, Application US/10512340
; Publication No. US20050287521A1
; GENERAL INFORMATION:
; APPLICANT: CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE
; TITLE OF INVENTION: OLIGONUCLEOTIDES FROM SEQUENCES CODING FOR THE
; TITLE OF INVENTION: SURFACE COMPONENT OF PTLV ENVELOPE PROTEINS
; TITLE OF INVENTION: AND USRS THEREOF
; FILE REFERENCE: IFB 02 BC CNR PTLV
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; CURRENT APPLICATION NUMBER: US/10/512,340
; CURRENT FILING DATE: 2004-10-22
; NUMBER OF SEQ ID NOS: 47
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 43
; LENGTH: 308
; TYPE: PRT
; ORGANISM: Human T-cell lymphotropic virus type 1
US-10-512-340-43

Query Match      42.6%; Score 40; DB 6; Length 308;
Best Local Similarity 33.3%; Pred. No. 18;
Matches 5; Conservative 6; Mismatches 4; Indels 0; Gaps 0;

Qy 1 FSWDNCFEGKQPAVI 15
   ||| ||| |||
Db 271 FNTWCHCFDPOIQAIIV 285

RESULT 10
US-10-527-500-51
; Sequence 51, Application US/10527500
; Publication No. US20060004186A1
; GENERAL INFORMATION:
; APPLICANT: THE GOVERNMENT OF THE UNITED STATES OF AMERICA AS
; APPLICANT: REPRESENTED BY THE SECRETARY OF THE DEPARTMENT OF HEALTH AND
; APPLICANT: HUMAN SERVICES
; APPLICANT: Valenzuela, Jesus G.
; APPLICANT: Ribeiro, Jose M.C.
; APPLICANT: Kamhawi, Shaden
; APPLICANT: Belkaid, Yaemine
; APPLICANT: Fischer, Laurent Bernard
; APPLICANT: Audonnet, Jean-Cristophe
; APPLICANT: Milward, Francis William
; TITLE OF INVENTION: P. ARIASI POLYPEPTIDES AND P. PERNICIOSUS POLYPEPTIDES AND
; TITLE OF INVENTION: METHODS OF USE
; FILE REFERENCE: 4239-66903-02
; CURRENT APPLICATION NUMBER: US/10/527,500
; CURRENT FILING DATE: 2005-03-11
; PRIOR APPLICATION NUMBER: PCT/US2003/029833
; PRIOR FILING DATE: 2003-09-18
; PRIOR APPLICATION NUMBER: US 60/425,852
; PRIOR FILING DATE: 2002-11-12
; PRIOR APPLICATION NUMBER: US 60/412,327
; PRIOR FILING DATE: 2002-09-19
; NUMBER OF SEQ ID NOS: 87
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 51
; LENGTH: 388
; TYPE: PRT
; ORGANISM: Phlebotomus perniciosus
US-10-527-500-51

Query Match      42.0%; Score 39.5; DB 6; Length 388;
Best Local Similarity 57.1%; Pred. No. 28;
Matches 8; Conservative 2; Mismatches 3; Indels 1; Gaps 1;

Qy 1 FSWDN-CFEGKQPA 13
   ||| ||| |||
Db 25 YAKKNISFEGIDPA 38

RESULT 11
US-11-000-463-875
; Sequence 875, Application US/11000463
; Publication No. US20050266423A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Chen, Rui-hong
; APPLICANT: Qian, Xiaohong B.
; APPLICANT: Wang, Zhiwei
```


; APPLICANT: Wehrman, Tom
; APPLICANT: Zhang, Jie
; APPLICANT: Zhou, Ping
; APPLICANT: Cao, Yi-Cheng
; APPLICANT: Drmanac, Radoje T.
; TITLE OF INVENTION: Novel Nucleic Acids and Polypeptides
; FILE REFERENCE: 785CIP4CN
; CURRENT APPLICATION NUMBER: US/11/000,463
; CURRENT FILING DATE: 2004-11-29
; PRIOR APPLICATION NUMBER: 10/291,265
; PRIOR FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: PCT/US01/02623
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 09/922,279
; PRIOR FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: 09/491,404
; PRIOR FILING DATE: 2000-01-25
; PRIOR APPLICATION NUMBER: 09/617,746
; PRIOR FILING DATE: 2000-07-17
; PRIOR APPLICATION NUMBER: 09/631,451
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: 09/633,870
; PRIOR FILING DATE: 2000-09-15
; NUMBER OF SEQ ID NOS: 944
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 875
; LENGTH: 239
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-000-463-875

Query Match 41.5%; Score 39; DB 7; Length 239;
Best Local Similarity 45.5%; Pred. No. 21;
Matches 5; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

Qy 2 SWDNCFEKDP 12
Db 184 TWLSCFAGRNP 194

RESULT 12
US-11-000-463-876
; Sequence 876, Application US/11000463
; Publication No. US20050266423A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Chen, Rui-hong
; APPLICANT: Qian, Xiaohong B.
; APPLICANT: Wang, Zhiwei
; APPLICANT: Wehrman, Tom
; APPLICANT: Zhang, Jie
; APPLICANT: Zhou, Ping
; APPLICANT: Cao, Yi-Cheng
; APPLICANT: Drmanac, Radoje T.
; TITLE OF INVENTION: Novel Nucleic Acids and Polypeptides
; FILE REFERENCE: 785CIP4CN
; CURRENT APPLICATION NUMBER: US/11/000,463
; CURRENT FILING DATE: 2004-11-29
; PRIOR APPLICATION NUMBER: 10/291,265
; PRIOR FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: PCT/US01/02623
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 09/922,279
; PRIOR FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: 09/491,404
; PRIOR FILING DATE: 2000-01-25
; PRIOR APPLICATION NUMBER: 09/617,746
; PRIOR FILING DATE: 2000-07-17
; PRIOR APPLICATION NUMBER: 09/631,451
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: 09/633,870

; PRIOR FILING DATE: 2000-09-15
; NUMBER OF SEQ ID NOS: 944
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 876
; LENGTH: 239
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-000-463-876

Query Match 41.5%; Score 39; DB 7; Length 239;
Best Local Similarity 45.5%; Pred. No. 21;
Matches 5; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

Qy 2 SWDNCFEKDP 12
Db 184 TWLSCFAGRNP 194

RESULT 13
US-11-000-463-404
; Sequence 404, Application US/11000463
; Publication No. US20050266423A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Chen, Rui-hong
; APPLICANT: Qian, Xiaohong B.
; APPLICANT: Wang, Zhiwei
; APPLICANT: Wehrman, Tom
; APPLICANT: Zhang, Jie
; APPLICANT: Zhou, Ping
; APPLICANT: Cao, Yi-Cheng
; APPLICANT: Drmanac, Radoje T.
; TITLE OF INVENTION: Novel Nucleic Acids and Polypeptides
; FILE REFERENCE: 785CIP4CN
; CURRENT APPLICATION NUMBER: US/11/000,463
; CURRENT FILING DATE: 2004-11-29
; PRIOR APPLICATION NUMBER: 10/291,265
; PRIOR FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: PCT/US01/02623
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 09/922,279
; PRIOR FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: 09/491,404
; PRIOR FILING DATE: 2000-01-25
; PRIOR APPLICATION NUMBER: 09/617,746
; PRIOR FILING DATE: 2000-07-17
; PRIOR APPLICATION NUMBER: 09/631,451
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: 09/633,870
; PRIOR FILING DATE: 2000-09-15
; NUMBER OF SEQ ID NOS: 944
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 404
; LENGTH: 261
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-000-463-404

Query Match 41.5%; Score 39; DB 7; Length 261;
Best Local Similarity 45.5%; Pred. No. 23;
Matches 5; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

Qy 2 SWDNCFEKDP 12
Db 225 TWLSCFAGRNP 235

RESULT 14
US-10-527-500-49
; Sequence 49, Application US/10527500
; Publication No. US20060004186A1

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; GENERAL INFORMATION:
; APPLICANT: THE GOVERNMENT OF THE UNITED STATES OF AMERICA AS
; APPLICANT: REPRESENTED BY THE SECRETARY OF THE DEPARTMENT OF HEALTH AND
; APPLICANT: HUMAN SERVICES
; APPLICANT: Valenzuela, Jesus G.
; APPLICANT: Ribeiro, Jose M.C.
; APPLICANT: Kamhawi, Shaden
; APPLICANT: Belkaid, Yasmine
; APPLICANT: Fischer, Laurent Bernard
; APPLICANT: Audonnet, Jean-Cristophe
; APPLICANT: Milward, Francis William
; TITLE OF INVENTION: P. ARIASI POLYPEPTIDES AND P. PERNICIOSUS POLYPEPTIDES AND
; TITLE OF INVENTION: METHODS OF USE
; FILE REFERENCE: 4239-66903-02
; CURRENT APPLICATION NUMBER: US/10/527,500
; CURRENT FILING DATE: 2005-03-11
; PRIOR APPLICATION NUMBER: PCT/US2003/029833
; PRIOR FILING DATE: 2003-09-18
; PRIOR APPLICATION NUMBER: US 60/425,852
; PRIOR FILING DATE: 2002-11-12
; PRIOR APPLICATION NUMBER: US 60/412,327
; PRIOR FILING DATE: 2002-09-19
; NUMBER OF SEQ ID NOS: 87
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 49
; LENGTH: 393
; TYPE: PRT
; ORGANISM: Phlebotomus perniciosus
US-10-527-500-49

Query Match      41.0%; Score 38.5; DB 6; Length 393;
Best Local Similarity 46.7%; Pred. No. 40;
Matches 7; Conservative 4; Mismatches 3; Indels 1; Gaps 1;

Qy      1 FSWDN-CFEGKDRAV 14
Db      25 YAKNISYEGVDPAL 39
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RESULT 15
US-11-098-765-2
; Sequence 2, Application US/11098765
; Publication No. US2005026646A1
; GENERAL INFORMATION:
; APPLICANT: Dai, Ken-Shwo
; TITLE OF INVENTION: HUMAN ITPASE-R RELATED GENE VARIANTS ASSOCIATED WITH LUNG CANCERS
; FILE REFERENCE: U 015709-3
; CURRENT APPLICATION NUMBER: US/11/098,765
; CURRENT FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: 10/103,335
; PRIOR FILING DATE: 2002-03-21
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 153
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-098-765-2

Query Match      40.4%; Score 38; DB 7; Length 153;
Best Local Similarity 62.5%; Pred. No. 20;
Matches 5; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy      1 FSWDNCFE 8
Db      108 FGWDPFCFQ 115
      | ||| ||:

Search completed: February 15, 2006, 09:32:50
Job time : 2.84889 secs
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GenCore version 5.1.7
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OM protein - protein search, using sw model

Run on: February 15, 2006, 09:07:30 ; Search time 6.11556 Seconds
(without alignments)
216.303 Million cell updates/sec

Title: US-10-030-937-68

Perfect score: 94

Sequence: 1 FSWDNCFEKDPVIR 16

Scoring table:

BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA.*

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3: /cgn2_6/ptodata/1/iaa/H_COMB.pep.*
4: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep.*
5: /cgn2_6/ptodata/1/iaa/RE_COMB.pep.*
6: /cgn2_6/ptodata/1/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | DB ID | Description |
|------------|-------|-------------|--------|-------|----------------------|
| 1 | 85 | 90.4 | 178 | 2 | US-09-183-841-2 |
| 2 | 85 | 90.4 | 193 | 2 | US-09-183-841-1 |
| 3 | 44 | 46.8 | 406 | 2 | US-09-599-360B-98 |
| 4 | 44 | 46.8 | 1765 | 2 | US-09-270-767-45587 |
| 5 | 43 | 45.7 | 15 | 2 | US-09-069-827A-129 |
| 6 | 43 | 45.7 | 590 | 1 | US-08-756-317-12 |
| 7 | 43 | 45.7 | 619 | 2 | US-09-489-039A-12704 |
| 8 | 42 | 44.7 | 119 | 2 | US-09-270-767-47348 |
| 9 | 41 | 43.6 | 13 | 2 | US-10-158-847-113 |
| 10 | 41 | 43.6 | 13 | 2 | US-10-158-825-113 |
| 11 | 41 | 43.6 | 506 | 1 | US-08-635-066-2 |
| 12 | 41 | 43.6 | 864 | 2 | US-10-101-464A-896 |
| 13 | 41 | 43.6 | 956 | 2 | US-09-252-991A-17124 |
| 14 | 40.5 | 43.1 | 246 | 2 | US-09-602-777A-206 |
| 15 | 40.5 | 43.1 | 422 | 2 | US-09-602-777A-202 |
| 16 | 40 | 42.6 | 19 | 1 | US-08-469-615-18 |
| 17 | 40 | 42.6 | 19 | 1 | US-08-466-763-18 |
| 18 | 40 | 42.6 | 19 | 1 | US-08-411-142A-18 |
| 19 | 40 | 42.6 | 40 | 1 | US-07-901-874B-5 |
| 20 | 40 | 42.6 | 40 | 1 | US-08-457-865-5 |
| 21 | 40 | 42.6 | 304 | 2 | US-09-710-279-2190 |
| 22 | 40 | 42.6 | 376 | 2 | US-09-270-767-33947 |
| 23 | 40 | 42.6 | 376 | 2 | US-09-270-767-49164 |
| 24 | 40 | 42.6 | 385 | 1 | US-08-516-801-2 |
| 25 | 40 | 42.6 | 385 | 2 | US-08-248-355-2 |
| 26 | 40 | 42.6 | 385 | 2 | US-09-167-206-16 |
| 27 | 40 | 42.6 | 385 | 4 | PCT-US95-06683-2 |

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|----|----|------|-----|---|----------------------|-------------------|
| 28 | 40 | 42.6 | 399 | 2 | US-09-949-016-10810 | Sequence 10810, A |
| 29 | 40 | 42.6 | 415 | 2 | US-09-134-001C-5077 | Sequence 5077, Ap |
| 30 | 40 | 42.6 | 488 | 1 | US-07-672-483-1 | Sequence 1, Appl |
| 31 | 40 | 42.6 | 490 | 1 | US-08-687-916-24 | Sequence 24, Appl |
| 32 | 40 | 42.6 | 490 | 2 | US-09-138-614-24 | Sequence 24, Appl |
| 33 | 40 | 42.6 | 619 | 2 | US-09-543-681A-5503 | Sequence 5503, Ap |
| 34 | 40 | 42.6 | 621 | 1 | US-08-969-714-1 | Sequence 1, Appl |
| 35 | 40 | 42.6 | 645 | 1 | US-08-969-714-3 | Sequence 3, Appl |
| 36 | 39 | 41.5 | 13 | 2 | US-10-158-847-105 | Sequence 105, App |
| 37 | 39 | 41.5 | 13 | 2 | US-10-158-825-105 | Sequence 105, App |
| 38 | 39 | 41.5 | 191 | 2 | US-09-489-039A-12833 | Sequence 12833, A |
| 39 | 39 | 41.5 | 242 | 2 | US-09-270-767-32046 | Sequence 32046, A |
| 40 | 39 | 41.5 | 364 | 2 | US-09-338-671-2 | Sequence 2, Appl |
| 41 | 39 | 41.5 | 444 | 1 | US-08-483-140-28 | Sequence 28, Appl |
| 42 | 39 | 41.5 | 444 | 1 | US-08-485-938A-32 | Sequence 32, Appl |
| 43 | 39 | 41.5 | 658 | 2 | US-09-328-599A-2 | Sequence 2, Appl |
| 44 | 39 | 41.5 | 795 | 2 | US-09-031-563-23 | Sequence 23, Appl |
| 45 | 39 | 41.5 | 795 | 2 | US-09-392-277-23 | Sequence 23, Appl |

ALIGNMENTS

RESULT 1
US-09-183-841-2
; Sequence 2, Application US/09183841
; Patent No. 6423680
; GENERAL INFORMATION:
; APPLICANT: Hospital for Sick Children
; TITLE OF INVENTION: A No. 6423680el Inhibitor of Platelet Activating Factor
; FILE REFERENCE: vanz0010
; CURRENT APPLICATION NUMBER: US/09/183.841
; CURRENT FILING DATE: 1998-10-30
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 178
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: His tag at residues 1 to 17
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: amino acid
; OTHER INFORMATION: sequence of GM2 protein using His6 tag
US-09-183-841-2

Query Match 90.4%; Score 85; DB 2; Length 178;
Best Local Similarity 93.8%; Pred. No. 3.6e-06;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 FSWDNCFEKDPVIR 16
| | | | | | | | | | | | | | | | | |
Db 19 FSWDNCDEKDPVIR 34

RESULT 2
US-09-183-841-1
; Sequence 1, Application US/09183841
; Patent No. 6423680
; GENERAL INFORMATION:
; APPLICANT: Hospital for Sick Children
; TITLE OF INVENTION: A No. 6423680el Inhibitor of Platelet Activating Factor
; FILE REFERENCE: vanz0010
; CURRENT APPLICATION NUMBER: US/09/183.841
; CURRENT FILING DATE: 1998-10-30
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 193
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SIGNAL

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; LOCATION: (33)..(55)
; FEATURE:
; OTHER INFORMATION: residues 56-63 are included in a further precursor
; OTHER INFORMATION: form of the protein
US-09-183-841-1

Query Match          90.4%; Score 85; DB 2; Length 193;
Best Local Similarity 93.8%; Pred. No. 3.9e-06;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 FSWDNCPEGKDPVIR 16
Db 34 FSWDNCDEGKDPVIR 49

RESULT 3
US-09-599-360B-98
; Sequence 98, Application US/09599360B
; Patent No. 6548633
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Bougueleret, L.
; APPLICANT: Jobert, S.
; TITLE OF INVENTION: Complementary DNA's Encoding Proteins with Signal Peptides
; FILE REFERENCE: GENSET.050CP3
; CURRENT APPLICATION NUMBER: US/09/599,360B
; CURRENT FILING DATE: 2000-06-21
; PRIOR FILING DATE: 60/113,686
; PRIOR FILING DATE: 1998-12-22
; PRIOR APPLICATION NUMBER: 60/141,032
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: 09/469,099
; PRIOR FILING DATE: 1999-12-21
; NUMBER OF SEQ ID NOS: 123
; SOFTWARE: Patent.pm
; SEQ ID NO 98
; LENGTH: 406
; TYPE: PRT
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: SIGNAL
; LOCATION: -35...-1
US-09-599-360B-98

Query Match          46.8%; Score 44; DB 2; Length 406;
Best Local Similarity 46.7%; Pred. No. 39;
Matches 7; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

QY 1 FSWDNCPEGKDPVIR 15
Db 155 FSWNNITDSDPATL 169

RESULT 4
US-09-270-767-45587
; Sequence 45587, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 45587
; LENGTH: 1765
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
; FEATURE:
; OTHER INFORMATION: Xaa means any amino acid
US-09-270-767-45587
```

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Query Match          46.8%; Score 44; DB 2; Length 1765;
Best Local Similarity 70.0%; Pred. No. 1.9e+02;
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 3 WDNCFEGKDP 12
Db 718 WSGFFEGKDP 727

RESULT 5
US-09-069-827A-129
; Sequence 129, Application US/09069827A
; Patent No. 6617114
; GENERAL INFORMATION:
; APPLICANT: FOWLKES, Dana M
; APPLICANT: KAY, Brian K
; APPLICANT: PRELINGER, Jeffrey A
; APPLICANT: HYDE-DERUYSCHEER, Robin P
; TITLE OF INVENTION: IDENTIFICATION OF DRUGS USING
; COMPLEMENTARY COMBINATORIAL LIBRARIES
; NUMBER OF SEQUENCES: 178
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BROWDY AND NEIMARK, P.L.L.C.
; STREET: 624 Ninth Street N.W., Suite 300
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20001
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/069,827A
; FILING DATE: 30-Apr-1998
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 09/050,359
; FILING DATE: 31-MAR-1998
; APPLICATION NUMBER: PCT/US97/19638
; FILING DATE: 31-OCT-1997
; APPLICATION NUMBER: US 08/740,671
; FILING DATE: 31-OCT-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: COOPER, Iver P
; REGISTRATION NUMBER: 28,005
; REFERENCE/DOCKET NUMBER: FOWLKES-4C
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 628-5197
; TELEFAX: (202) 737-3528
; INFORMATION FOR SEQ ID NO: 129:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 129:
US-09-069-827A-129

Query Match          45.7%; Score 43; DB 2; Length 15;
Best Local Similarity 60.0%; Pred. No. 1.7;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 FSWDNCPEGK 10
Db 6 FFWDCGFESR 15

RESULT 6
US-08-756-317-12
; Sequence 12, Application US/08756317
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; Patent No. 5849894
; GENERAL INFORMATION:
; APPLICANT: Clemente, Thomas E.
; APPLICANT: Kishore, Ganesh M.
; APPLICANT: Mitsky, Timothy A.
; APPLICANT: Stark, David M.
; TITLE OF INVENTION: Improved Rhodospirillum Rubrum
; TITLE OF INVENTION: Poly-B-Hydroxyalkanoate Synthase
; NUMBER OF SEQUENCES: 15
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arnold, White & Durkee
; STREET: P.O. Box 4433
; CITY: Houston
; STATE: TX
; COUNTRY: USA
; ZIP: 77210-4433
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/756,317
; FILING DATE: 25-NOV-1996
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/007,693
; FILING DATE: 29-NOV-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Patterson, Melinda L.
; REGISTRATION NUMBER: 33,062
; REFERENCE/DOCKET NUMBER: MOBT:008
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (713) 787-1400
; TELEFAX: (713) 787-1440
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 590 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear

US-08-756-317-12

Query Match 45.7%; Score 43; DB 1; Length 590;
Best Local Similarity 66.7%; Pred. NO. 84;
Matches 6; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 3 WDNCFEGKD 11
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Db 486 WDTCFRGAD 494

RESULT 7

US-09-489-039A-12704
; Sequence 12704, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 12704
; LENGTH: 619
; TYPE: PRT
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-12704

Query Match 45.7%; Score 43; DB 2; Length 619;

Best Local Similarity 50.0%; Pred. No. 88;
Matches 7; Conservative 2; Mismatches 5; Indels 0; Gaps 0;
Qy 3 WDNCFEGKDPVIR 16
|:|:|:|:|
Db 478 WNNTRSGEDPVAIR 491

RESULT 8

US-09-270-767-47348
; Sequence 47348, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 47348
; LENGTH: 119
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-47348

Query Match 44.7%; Score 42; DB 2; Length 119;
Best Local Similarity 50.0%; Pred. NO. 22;
Matches 6; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

Qy 3 WDNCFEGKDPV 14
|:|:|:|:|
Db 97 WRECFCFGQPTI 108

RESULT 9

US-10-158-847-113
; Sequence 113, Application US/10158847
; Patent No. 6592865
; GENERAL INFORMATION:
; APPLICANT: Tom Parry et al.
; TITLE OF INVENTION: Method and Compositions for Modulating ACE-2 Activity
; FILE REFERENCE: PF557
; CURRENT APPLICATION NUMBER: US/10/158,847
; CURRENT FILING DATE: 2002-06-03
; PRIOR APPLICATION NUMBER: 60/295,004
; PRIOR FILING DATE: 2001-06-04
; NUMBER OF SEQ ID NOS: 158
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 113
; LENGTH: 13
; TYPE: PRT
; ORGANISM: homo sapiens
US-10-158-847-113

Query Match 43.6%; Score 41; DB 2; Length 13;
Best Local Similarity 66.7%; Pred. NO. 3.1;
Matches 6; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 FSDMNCFEG 9
|:|:|:|:|
Db 5 FDMDECFILG 13

RESULT 10

US-10-158-825-113
; Sequence 113, Application US/10158825
; Patent No. 6900033
; GENERAL INFORMATION:
; APPLICANT: Tom Parry et al.
; TITLE OF INVENTION: Method and Compositions for Modulating ACE-2 Activity
; FILE REFERENCE: PF555
; CURRENT APPLICATION NUMBER: US/10/158,825

; CURRENT FILING DATE: 2002-06-03
; PRIOR APPLICATION NUMBER: 60/294,976
; PRIOR FILING DATE: 2001-06-04
; NUMBER OF SEQ ID NOS: 158
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 113
; LENGTH: 13
; TYPE: PRT
; ORGANISM: homo sapiens
US-10-158-825-113

Query Match 43.6%; Score 41; DB 2; Length 13;
Best Local Similarity 66.7%; Pred. No. 3.1;
Matches 6; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 FSWDNCFEG 9
Db 5 FDWDECF LG 13

RESULT 11
US-08-635-066-2

; Sequence 2; Application US/08635066
; Patent No. 5945580
; GENERAL INFORMATION:
; APPLICANT: Dunsmuir, Pamela
; APPLICANT: Harpster, Mark H.
; TITLE OF INVENTION: Capsicum Hemocellulase Polynucleotides
; TITLE OF INVENTION: and Polypeptides
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/635,066
; FILING DATE: 19-APR-1996
; CLASSIFICATION: 800
; ATTORNEY/AGENT INFORMATION:
; NAME: Smith, William M.
; REGISTRATION NUMBER: 30,223
; REFERENCE/DOCKET NUMBER: 012176-005500
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 506 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-635-066-2

Query Match 43.6%; Score 41; DB 1; Length 506;
Best Local Similarity 77.8%; Pred. No. 1.5e+02;
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 FSWDNCFEG 9
Db 266 FSWDNKFPAG 274

RESULT 12
US-10-101-464A-896
; Sequence 896, Application US/10101464A

; Patent No. 6768041
; GENERAL INFORMATION:
; APPLICANT: Strabala, Timothy
; APPLICANT: Nieuwenhuizen, Nicolaas
; APPLICANT: Higgins, Colleen M.
; TITLE OF INVENTION: Compositions Isolated from Plant Cells
; TITLE OF INVENTION: and Their Use in the Modification of Plant Cell Signaling
; FILE REFERENCE: 11000.1020c2
; CURRENT APPLICATION NUMBER: US/10/101,464A
; CURRENT FILING DATE: 2002-03-18
; PRIOR APPLICATION NUMBER: 09/704,302
; PRIOR FILING DATE: 2000-11-01
; PRIOR APPLICATION NUMBER: 09/228,986
; PRIOR FILING DATE: 1999-01-12
; PRIOR APPLICATION NUMBER: 60/162,866
; PRIOR FILING DATE: 1999-11-01
; PRIOR APPLICATION NUMBER: PCT/US00/00724
; PRIOR FILING DATE: 2000-01-11
; NUMBER OF SEQ ID NOS: 989
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 896
; LENGTH: 864
; TYPE: PRT
; ORGANISM: Pinus radiata
US-10-101-464A-896

Query Match 43.6%; Score 41; DB 2; Length 864;
Best Local Similarity 58.3%; Pred. No. 2.7e+02;
Matches 7; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy 5 NCFEGKDPVIR 16
Db 402 NCFSGAIPSLIR 413

RESULT 13

US-09-252-991A-17124
; Sequence 17124, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 17124
; LENGTH: 956
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-17124

Query Match 43.6%; Score 41; DB 2; Length 956;
Best Local Similarity 66.7%; Pred. No. 3e+02;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 4 DNCFEGKDP 12
Db 291 EHCFCGHDP 299

RESULT 14
US-09-602-777A-206
; Sequence 206, Application US/09602777A
; Patent No. 6831165
; GENERAL INFORMATION:
; APPLICANT: Pompejus, Markus
; APPLICANT: Kroger, Burkhard

```
; APPLICANT: Schroder, Hartwig
; APPLICANT: Zelder, Oskar
; APPLICANT: Haberhauer, Gregor
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING PROTEINS
; TITLE OF INVENTION: INVOLVED IN HOMEOSTASIS AND ADAPTATION
; FILE REFERENCE: BGI-128CP
; CURRENT APPLICATION NUMBER: US/09/602,777A
; CURRENT FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: US 60/141031
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: DE 19931636.8
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19932125.6
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932126.4
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932127.2
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932128.0
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932129.9
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932226.0
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19932920.6
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19932922.2
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19932924.9
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19932928.1
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19932930.3
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19932933.8
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19932935.4
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19932973.7
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19933002.6
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; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19933005.0
; PRIOR FILING DATE: 1999-07-14
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; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19941378.9
; PRIOR FILING DATE: 1999-08-31
; PRIOR APPLICATION NUMBER: DE 19941379.7
; PRIOR FILING DATE: 1999-08-31
; PRIOR APPLICATION NUMBER: DE 19941390.8
; PRIOR FILING DATE: 1999-08-31
; PRIOR APPLICATION NUMBER: DE 19941391.6
; PRIOR FILING DATE: 1999-08-31
; PRIOR APPLICATION NUMBER: DE 19942088.2
; PRIOR FILING DATE: 1999-09-03
; NUMBER OF SEQ ID NOS: 442
; SEQ ID NO 206
; LENGTH: 246
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-09-602-777A-206
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Query Match 43.1%; Score 40.5; DB 2; Length 246;
Best Local Similarity 34.6%; Pred. No. 85;
Matches 9; Conservative 1; Mismatches 5; Indels 11; Gaps 1;

QY 1 FSWDNCF-----EGKDPAVI 15
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Db 151 FSWKNCLESGSHLPVHDGSDAVI 176
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RESULT 15
US-09-602-777A-202
; Sequence 202, Application US/09602777A
; Patent No. 6831165
; GENERAL INFORMATION:
; APPLICANT: Pompejus, Markus
; APPLICANT: Kroeger, Burkhard
; APPLICANT: Schroder, Hartwig
; APPLICANT: Zelder, Oskar
; APPLICANT: Haberhauer, Gregor
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING PROTEINS
; TITLE OF INVENTION: INVOLVED IN HOMEOSTASIS AND ADAPTATION
; FILE REFERENCE: BGI-128CP
; CURRENT APPLICATION NUMBER: US/09/602,777A
; CURRENT FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: US 60/141031
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: DE 19931636.8
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19932125.6
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932126.4
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932127.2
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932128.0
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932129.9
; PRIOR FILING DATE: 1999-07-19
; PRIOR APPLICATION NUMBER: DE 19932226.0
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932920.6
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19932922.2
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19932924.9
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19932928.1
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19932930.3
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19932933.8
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19932935.4
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19932973.7
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19933002.6
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19933003.4
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19933005.0
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19933006.9
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19941378.9
; PRIOR FILING DATE: 1999-08-31
; PRIOR APPLICATION NUMBER: DE 19941379.7
; PRIOR FILING DATE: 1999-08-31
; PRIOR APPLICATION NUMBER: DE 19941390.8
; PRIOR FILING DATE: 1999-08-31
; PRIOR APPLICATION NUMBER: DE 19941391.6
; PRIOR FILING DATE: 1999-08-31
; PRIOR APPLICATION NUMBER: DE 19942088.2
; PRIOR FILING DATE: 1999-09-03
; NUMBER OF SEQ ID NOS: 442
; SEQ ID NO 202
; LENGTH: 422
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-09-602-777A-202
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Query Match 43.1%; Score 40.5; DB 2; Length 422;
Best Local Similarity 34.6%; Pred. No. 1.5e+02;
Matches 9; Conservative 1; Mismatches 5; Indels 11; Gaps 1;
QY 1 FSWDNCF-----EGKDPAVI 15
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Db 145 FSWKNCLSESGGSHLPVHDGSDAVVI 170

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Title: US-10-030-937-68

Perfect score: 94

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Maximum Match 100%

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description |
|------------|-------|-------------|--------|----|---------------------------------------|
| 1 | 85 | 90.4 | 546 | 5 | US-10-027-632-207798 Sequence 207798, |
| 2 | 85 | 90.4 | 546 | 5 | US-10-027-632-207799 Sequence 207799, |
| 3 | 85 | 90.4 | 546 | 5 | US-10-027-632-207800 Sequence 207800, |
| 4 | 85 | 90.4 | 546 | 5 | US-10-027-632-207801 Sequence 207801, |
| 5 | 85 | 90.4 | 546 | 6 | US-10-027-632-207798 Sequence 207798, |
| 6 | 85 | 90.4 | 546 | 6 | US-10-027-632-207799 Sequence 207799, |
| 7 | 85 | 90.4 | 546 | 6 | US-10-027-632-207800 Sequence 207800, |

| | | | | | |
|----|------|------|--------|----|--|
| 8 | 85 | 90.4 | 545 | 6 | US-10-027-632-207801 Sequence 207801, |
| 9 | 85 | 90.4 | 953 | 8 | US-10-723-860-528 Sequence 528, App |
| 10 | 85 | 90.4 | 1935 | 3 | US-09-971-392-102 Sequence 102, App |
| 11 | 85 | 90.4 | 2384 | 3 | US-09-822-849A-53 Sequence 53, Appl |
| 12 | 85 | 90.4 | 2436 | 3 | US-09-954-531-380 Sequence 380, App |
| 13 | 85 | 90.4 | 2436 | 3 | US-09-525-978B-81 Sequence 81, Appl |
| 14 | 85 | 90.4 | 2436 | 9 | US-10-843-641A-1447 Sequence 1447, Ap |
| 15 | 85 | 90.4 | 2471 | 9 | US-10-450-763-711 Sequence 711, App |
| 16 | 85 | 90.4 | 2478 | 9 | US-10-170-385-390 Sequence 390, App |
| 17 | 85 | 90.4 | 2498 | 9 | US-10-450-763-16917 Sequence 16917, A |
| 18 | 85 | 90.4 | 3988 | 8 | US-10-723-860-5187 Sequence 5187, Ap |
| 19 | 82 | 87.2 | 1983 | 6 | US-10-388-934-167 Sequence 167, App |
| 20 | 58 | 61.7 | 857 | 5 | US-10-027-632-164063 Sequence 164063, |
| 21 | 58 | 61.7 | 857 | 5 | US-10-027-632-164064 Sequence 164064, |
| 22 | 58 | 61.7 | 857 | 5 | US-10-027-632-164065 Sequence 164065, |
| 23 | 58 | 61.7 | 857 | 6 | US-10-027-632-164063 Sequence 164063, |
| 24 | 58 | 61.7 | 857 | 6 | US-10-027-632-164064 Sequence 164064, |
| 25 | 58 | 61.7 | 857 | 6 | US-10-027-632-164065 Sequence 164065, |
| 26 | 57 | 60.6 | 380 | 3 | US-09-764-891-2290 Sequence 2290, Ap |
| 27 | 57 | 60.6 | 577 | 6 | US-10-284-049-436 Sequence 436, App |
| 28 | 56 | 59.6 | 691 | 4 | US-09-925-065A-77760 Sequence 77760, A |
| 29 | 55 | 58.5 | 580 | 5 | US-10-027-632-91348 Sequence 91348, A |
| 30 | 55 | 58.5 | 580 | 6 | US-10-027-632-91348 Sequence 91348, A |
| 31 | 55 | 58.5 | 580 | 6 | US-10-027-632-91348 Sequence 91348, A |
| 32 | 55 | 58.5 | 580 | 6 | US-10-027-632-91348 Sequence 91348, A |
| 33 | 50.5 | 53.7 | 400660 | 8 | US-10-388-838-68 Sequence 68, Appl |
| 34 | 50 | 53.2 | 607 | 4 | US-09-925-065A-803239 Sequence 803239, |
| 35 | 50 | 53.2 | 2243 | 6 | US-10-108-260A-301 Sequence 301, App |
| 36 | 50 | 53.2 | 2367 | 7 | US-10-267-502-81 Sequence 81, Appl |
| 37 | 50 | 53.2 | 2367 | 10 | US-11-097-143-30638 Sequence 30638, A |
| 38 | 50 | 53.2 | 2452 | 6 | US-10-094-749-87 Sequence 87, Appl |
| 39 | 50 | 53.2 | 10386 | 10 | US-11-097-143-30637 Sequence 30637, A |
| 40 | 50 | 53.2 | 383432 | 9 | US-10-737-082-34 Sequence 34, Appl |
| 41 | 50 | 53.2 | 383432 | 9 | US-10-765-790-34 Sequence 34, Appl |
| 42 | 49.5 | 52.7 | 600 | 9 | US-10-972-079-45839 Sequence 45839, A |
| 43 | 49 | 52.1 | 568 | 4 | US-09-925-065A-404283 Sequence 404283, |
| 44 | 49 | 52.1 | 607 | 4 | US-09-925-065A-315342 Sequence 315342, |
| 45 | 49 | 52.1 | 653 | 5 | US-10-027-632-121823 Sequence 121823, |

ALIGNMENTS

RESULT 1

US-10-027-632-207798
; Sequence 207798, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027.632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 207798
; LENGTH: 546
; TYPE: DNA
; ORGANISM: Human

US-10-027-632-207798

Alignment Scores:
Pred. No.: 2.45e-05 Length: 546
Score: 85.00 Matches: 15
Percent Similarity: 93.8% Conservative: 0
Best Local Similarity: 93.8% Mismatches: 1
Query Match: 90.4% Indels: 0
DB: 5 Gaps: 0

US-10-030-937-68 (1-16) x US-10-027-632-207798 (1-546)

Qy 1 PheSerTrpAspAenCysPheGluGlyAspProAlaValIleArg 16
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Db 276 TTTTCCTGGGATACTGTGATGAAGGAGACCCCTGCGGTGATCAGA 323

RESULT 2

US-10-027-632-207799
; Sequence 207799, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 207799
; LENGTH: 546
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-207799

Alignment Scores:
Pred. No.: 2.45e-05 Length: 546
Score: 85.00 Matches: 15
Percent Similarity: 93.8% Conservative: 0
Best Local Similarity: 93.8% Mismatches: 1
Query Match: 90.4% Indels: 0
DB: 5 Gaps: 0

US-10-030-937-68 (1-16) x US-10-027-632-207799 (1-546)

Qy 1 PheSerTrpAspAenCysPheGluGlyAspProAlaValIleArg 16
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Db 276 TTTTCCTGGGATACTGTGATGAAGGAGACCCCTGCGGTGATCAGA 323

RESULT 3

US-10-027-632-207800
; Sequence 207800, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632

; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 207800
; LENGTH: 546
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-207800

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Pred. No.: 2.45e-05 Length: 546
Score: 85.00 Matches: 15
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Best Local Similarity: 93.8% Mismatches: 1
Query Match: 90.4% Indels: 0
DB: 5 Gaps: 0

US-10-030-937-68 (1-16) x US-10-027-632-207800 (1-546)

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Db 276 TTTTCCTGGGATACTGTGATGAAGGAGACCCCTGCGGTGATCAGA 323

RESULT 4

US-10-027-632-207801
; Sequence 207801, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 207801
; LENGTH: 546
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-207801

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Pred. No.: 2.45e-05 Length: 546
Score: 85.00 Matches: 15

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Percent Similarity: 93.8%      Conservative: 0
Best Local Similarity: 93.8%    Mismatches: 1
Query Match: 90.4%             Indels: 0
DB: 5                          Gaps: 0

US-10-030-937-68 (1-16) x US-10-027-632-207801 (1-546)

Oy 1 PheSerTrpAspAsnCysPheGluGlyLysAspProAlaValIleArg 16
|||||
Db 276 TTTTCCTGGGATAACTGTGATGAAGGGAAGCCTCGCGGTGATCAGA 323

RESULT 5
US-10-027-632-207798
; Sequence 207798, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 207798
; LENGTH: 546
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-207798

Alignment Scores:
Pred. No.: 2.45e-05      Length: 546
Score: 85.00            Matches: 15
Percent Similarity: 93.8%      Conservative: 0
Best Local Similarity: 93.8%    Mismatches: 1
Query Match: 90.4%           Indels: 0
DB: 6                   Gaps: 0

US-10-030-937-68 (1-16) x US-10-027-632-207798 (1-546)

Oy 1 PheSerTrpAspAsnCysPheGluGlyLysAspProAlaValIleArg 16
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Db 276 TTTTCCTGGGATAACTGTGATGAAGGGAAGCCTCGCGGTGATCAGA 323

RESULT 6
US-10-027-632-207799
; Sequence 207799, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
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; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 207799
; LENGTH: 546
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-207799

Alignment Scores:
Pred. No.: 2.45e-05      Length: 546
Score: 85.00            Matches: 15
Percent Similarity: 93.8%      Conservative: 0
Best Local Similarity: 93.8%    Mismatches: 1
Query Match: 90.4%           Indels: 0
DB: 6                   Gaps: 0

US-10-030-937-68 (1-16) x US-10-027-632-207799 (1-546)

Oy 1 PheSerTrpAspAsnCysPheGluGlyLysAspProAlaValIleArg 16
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Db 276 TTTTCCTGGGATAACTGTGATGAAGGGAAGCCTCGCGGTGATCAGA 323

RESULT 7
US-10-027-632-207800
; Sequence 207800, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
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; PRIOR FILING DATE: 1999-11-23
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; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
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; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 207800
; LENGTH: 546
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-207800

Alignment Scores:
Pred. No.: 2.45e-05      Length: 546
Score: 85.00            Matches: 15
Percent Similarity: 93.8%      Conservative: 0
Best Local Similarity: 93.8%    Mismatches: 1
Query Match: 90.4%           Indels: 0
DB: 6                   Gaps: 0
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; ORGANISM: Homo sapiens
US-09-822-849A-53

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Score: 85.00 Matches: 15
Percent Similarity: 93.8% Conservative: 0
Best Local Similarity: 93.8% Mismatches: 1
Query Match: 90.4% Indels: 0
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US-10-030-937-68 (1-16) x US-09-822-849A-53 (1-2384)

Qy 1 PheSerTrpAspAsnCysPheGluGlyAspProAlaValIleArg 16
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US-09-954-531-380
; Sequence 380, Application US/09954531
; Patent No. US20020165180A1
; GENERAL INFORMATION:
; APPLICANT: Weaver, Zoe
; TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using Canc

; FILE OF INVENTION: Gene Sets
; FILE REFERENCE: 689290-77
; CURRENT APPLICATION NUMBER: US/09/954,531
; PRIOR FILING DATE: 2002-05-02

; PRIOR APPLICATION NUMBER: US/60/233,133

; PRIOR FILING DATE: 2000-09-18

; PRIOR APPLICATION NUMBER: US/60/234,009

; PRIOR FILING DATE: 2000-09-20

; PRIOR APPLICATION NUMBER: US/60/234,034

; PRIOR FILING DATE: 2000-09-20

; PRIOR APPLICATION NUMBER: US/60/234,509

; PRIOR FILING DATE: 2000-09-22

; PRIOR APPLICATION NUMBER: US/60/234,567

; PRIOR FILING DATE: 2000-09-22

; NUMBER OF SEQ ID NOS: 1392

; SOFTWARE: PatentIn version 3.0

; SEQ ID NO 380

; LENGTH: 2436

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-954-531-380

Alignment Scores:
Pred. No.: 0.00013 Length: 2436
Score: 85.00 Matches: 15
Percent Similarity: 93.8% Conservative: 0
Best Local Similarity: 93.8% Mismatches: 1
Query Match: 90.4% Indels: 0
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US-10-030-937-68 (1-16) x US-09-954-531-380 (1-2436)

Qy 1 PheSerTrpAspAsnCysPheGluGlyAspProAlaValIleArg 16
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Db 158 TTTTCTGGGATACTGTGATGAAGGAAGGACCTCGCGGTGATCAGA 205

RESULT 13

US-09-978B-81
; Sequence 81, Application US/09525978B
; Publication No. US20030049722A1
; GENERAL INFORMATION:

; APPLICANT: Murray, Richard
; APPLICANT: Caras, Ingrid W.
; APPLICANT: Hevezi, Peter
; APPLICANT: Wilson, Keith
; TITLE OF INVENTION: NOVEL METHODS OF DIAGNOSING MACROPHAGE DEVELOPMENT
; TITLE OF INVENTION: RELATED DISORDERS, COMPOSITIONS, AND METHODS OF
; TITLE OF INVENTION: SCREENING-FOR MACROPHAGE DEVELOPMENT MODULATORS
; FILE REFERENCE: A-67413-1/DJB/JJD
; CURRENT APPLICATION NUMBER: US/09/525,978B
; PRIOR FILING DATE: 2000-03-15
; PRIOR APPLICATION NUMBER: USSN 60/124,530
; PRIOR FILING DATE: 1999-03-15
; NUMBER OF SEQ ID NOS: 83
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 81
; LENGTH: 2436
; TYPE: DNA
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US-09-525-978B-81

Alignment Scores:
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Score: 85.00 Matches: 15
Percent Similarity: 93.8% Conservative: 0
Best Local Similarity: 93.8% Mismatches: 1
Query Match: 90.4% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-68 (1-16) x US-09-525-978B-81 (1-2436)

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RESULT 14

US-10-843-641A-1447

; Sequence 1447, Application US/10843641A

; Publication No. US20050064454A1

; GENERAL INFORMATION:

; APPLICANT: Avalon Pharmaceuticals, Inc.

; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using

; FILE OF INVENTION: Signature Gene Sets

; FILE REFERENCE: 689290-189

; CURRENT APPLICATION NUMBER: US/10/843,641A

; PRIOR FILING DATE: 2004-05-12

; PRIOR APPLICATION NUMBER: US/09/873,367

; PRIOR FILING DATE: 2001-06-05

; PRIOR APPLICATION NUMBER: US/09/954,531

; PRIOR FILING DATE: 2001-09-18

; PRIOR APPLICATION NUMBER: US/09/954,456

; PRIOR FILING DATE: 2001-09-25

; PRIOR APPLICATION NUMBER: US/09/962,436

; PRIOR FILING DATE: 2001-09-25

; PRIOR APPLICATION NUMBER: US/09/962,832

; PRIOR FILING DATE: 2001-09-25

; PRIOR APPLICATION NUMBER: US/09/964,824

; PRIOR FILING DATE: 2001-09-27

; PRIOR APPLICATION NUMBER: US/09/967,768

; PRIOR FILING DATE: 2001-09-28

; PRIOR APPLICATION NUMBER: US/09/968,007

; PRIOR FILING DATE: 2001-10-02

; PRIOR APPLICATION NUMBER: US/09/969,347

; PRIOR FILING DATE: 2001-10-02

; PRIOR APPLICATION NUMBER: US/09/969,708

; PRIOR FILING DATE: 2001-10-03

; Remaining Prior Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 8447

; SOFTWARE: PatentIn version 3.0

; SEQ ID NO 1447

; LENGTH: 2436

; TYPE: DNA

; ORGANISM: Homo sapiens

US-10-843-641A-1447

GenCore version 5.1.7
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(without alignments)
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Title: US-10-030-937-68

Perfect score: 94

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| Ygapop 10.0 , Ygapext 0.5 |
| Fgapop 6.0 , Fgapext 7.0 |
| Delop 6.0 , Delext 7.0 |

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Post-processing: Minimum Match 0%

Maximum Match 100%

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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| 3 | 50 | 53.2 | 607 | US-09-925-065A-803239 | Sequence 803239, A |
| 4 | 50 | 53.2 | 2286 | US-10-750-185-48203 | Sequence 48203, A |

| | | | | | | |
|----|------|------|------|----|-----------------------|--------------------|
| 5 | 50 | 53.2 | 2286 | 8 | US-10-750-623-48203 | Sequence 48203, A |
| 6 | 49 | 52.1 | 568 | 6 | US-09-925-065A-404283 | Sequence 404283, A |
| 7 | 49 | 52.1 | 607 | 6 | US-09-925-065A-315342 | Sequence 315342, A |
| 8 | 49 | 52.1 | 980 | 6 | US-09-925-065A-31409 | Sequence 31409, A |
| 9 | 49 | 52.1 | 1168 | 8 | US-10-750-185-29302 | Sequence 29302, A |
| 10 | 49 | 52.1 | 1168 | 8 | US-10-750-623-29302 | Sequence 29302, A |
| 11 | 49 | 52.1 | 6629 | 8 | US-10-955-054A-149 | Sequence 149, App |
| 12 | 48 | 51.1 | 50 | 12 | US-11-175-859-75542 | Sequence 75542, A |
| 13 | 48 | 51.1 | 594 | 6 | US-09-925-065A-942407 | Sequence 942407, A |
| 14 | 48 | 51.1 | 594 | 6 | US-09-925-065A-942408 | Sequence 942408, A |
| 15 | 48 | 51.1 | 614 | 6 | US-09-925-065A-448991 | Sequence 448991, A |
| 16 | 48 | 51.1 | 652 | 6 | US-09-925-065A-913395 | Sequence 913395, A |
| 17 | 48 | 51.1 | 660 | 6 | US-09-925-065A-906972 | Sequence 906972, A |
| 18 | 48 | 51.1 | 663 | 6 | US-09-925-065A-904642 | Sequence 904642, A |
| 19 | 48 | 51.1 | 665 | 6 | US-09-925-065A-902117 | Sequence 902117, A |
| 20 | 47 | 50.0 | 598 | 6 | US-09-925-065A-903085 | Sequence 903085, A |
| 21 | 47 | 50.0 | 605 | 6 | US-09-925-065A-13534 | Sequence 13534, A |
| 22 | 47 | 50.0 | 605 | 6 | US-09-925-065A-13535 | Sequence 13535, A |
| 23 | 47 | 50.0 | 2587 | 8 | US-10-750-185-55252 | Sequence 55252, A |
| 24 | 47 | 50.0 | 2587 | 8 | US-10-750-623-55252 | Sequence 55252, A |
| 25 | 47 | 50.0 | 3173 | 8 | US-10-750-185-50135 | Sequence 50135, A |
| 26 | 47 | 50.0 | 3173 | 8 | US-10-750-623-50135 | Sequence 50135, A |
| 27 | 46 | 48.9 | 569 | 6 | US-09-925-065A-302844 | Sequence 302844, A |
| 28 | 46 | 48.9 | 610 | 6 | US-09-925-065A-377261 | Sequence 377261, A |
| 29 | 46 | 48.9 | 642 | 6 | US-09-925-065A-680338 | Sequence 680338, A |
| 30 | 46 | 48.9 | 642 | 6 | US-09-925-065A-680339 | Sequence 680339, A |
| 31 | 45.5 | 48.4 | 2591 | 8 | US-10-750-185-31204 | Sequence 31204, A |
| 32 | 45.5 | 48.4 | 2591 | 8 | US-10-750-623-31204 | Sequence 31204, A |
| 33 | 45 | 47.9 | 398 | 6 | US-09-925-065A-8271 | Sequence 8271, Ap |
| 34 | 45 | 47.9 | 398 | 6 | US-09-925-065A-8272 | Sequence 8272, Ap |
| 35 | 45 | 47.9 | 552 | 6 | US-09-925-065A-20851 | Sequence 20851, A |
| 36 | 45 | 47.9 | 552 | 6 | US-09-925-065A-20852 | Sequence 20852, A |
| 37 | 45 | 47.9 | 561 | 6 | US-09-925-065A-321539 | Sequence 321539, A |
| 38 | 45 | 47.9 | 570 | 6 | US-09-925-065A-377353 | Sequence 377353, A |
| 39 | 45 | 47.9 | 571 | 6 | US-09-925-065A-377354 | Sequence 377354, A |
| 40 | 45 | 47.9 | 612 | 6 | US-09-925-065A-951333 | Sequence 951333, A |
| 41 | 45 | 47.9 | 618 | 6 | US-09-925-065A-856812 | Sequence 856812, A |
| 42 | 45 | 47.9 | 622 | 6 | US-09-925-065A-458996 | Sequence 458996, A |
| 43 | 45 | 47.9 | 622 | 6 | US-09-925-065A-458997 | Sequence 458997, A |
| 44 | 45 | 47.9 | 622 | 6 | US-09-925-065A-458998 | Sequence 458998, A |
| 45 | 45 | 47.9 | 622 | 6 | US-09-925-065A-458999 | Sequence 458999, A |

ALIGNMENTS

RESULT 1

US-10-821-234-310
; Sequence 310, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821.234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pt_SEQ_genes Version 1.0
; SEQ ID NO 310
; LENGTH: 2471
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-821-234-310

Alignment Scores:
Pred. No.: 0.000215 Length: 2471
Score: 85.00 Matches: 15
Percent Similarity: 93.8% Conservative: 0
Best Local Similarity: 93.8% Mismatches: 1


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; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM1100-1
; CURRENT APPLICATION NUMBER: US/10/750,623
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 48203
; LENGTH: 2286
; TYPE: DNA
; ORGANISM: Bovine 19866880975467
US-10-750-623-48203

Alignment Scores:
Pred. No.: 260 Length: 2286
Score: 50.00 Matches: 7
Percent Similarity: 69.2% Conservative: 2
Best Local Similarity: 53.8% Mismatches: 4
Query Match: 53.2% Indels: 0
DB: 8 Gaps: 0

US-10-030-937-68 (1-16) x US-10-750-623-48203 (1-2286)

Qy 3 TrpAspAsnCysPheGluGlyAspProAlaValIle 15
|||||
Db 2216 TGGGACACAGCTTTTAAACACAGAGATCCACAGTAGTT 2254
|||||

RESULT 6
US-09-925-065A-404283/c
; Sequence 404283, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 404283
; LENGTH: 568
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-404283

Alignment Scores:
Pred. No.: 76.5 Length: 568
Score: 49.00 Matches: 8
Percent Similarity: 75.0% Conservative: 1
Best Local Similarity: 66.7% Mismatches: 3
Query Match: 52.1% Indels: 0
DB: 6 Gaps: 0

US-10-030-937-68 (1-16) x US-09-925-065A-404283 (1-568)

Qy 2 SerTrpAspAsnCysPheGluGlyAspProAla 13
|||||
Db 432 AGCTGGAAGCAGCTCTTTGAAGGACAGACCCAGCA 397
|||||

RESULT 7

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US-09-925-065A-315342/c
; Sequence 315342, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 315342
; LENGTH: 607
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-315342

Alignment Scores:
Pred. No.: 82.7 Length: 607
Score: 49.00 Matches: 8
Percent Similarity: 80.0% Conservative: 0
Best Local Similarity: 80.0% Mismatches: 2
Query Match: 52.1% Indels: 0
DB: 6 Gaps: 0

US-10-030-937-68 (1-16) x US-09-925-065A-315342 (1-607)

Qy 1 PheSerTrpAspAsnCysPheGluGlyLys 10
|||||
Db 179 TTCTTTGGGACAACTGTATGGAATGAAA 150
|||||

RESULT 8
US-09-925-065A-31409/c
; Sequence 31409, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 31409
; LENGTH: 980
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-31409

Alignment Scores:
Pred. No.: 145 Length: 980

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Score: 49.00 Matches: 8
Percent Similarity: 75.0% Conservative: 1
Best Local Similarity: 66.7% Mismatches: 3
Query Match: 52.1% Indels: 0
DB: 6 Gaps: 0

US-10-030-937-68 (1-16) x US-09-925-065A-31409 (1-980)

Qy 2 SerTrpAspAsnCysPheGluGlyLysAspProAla 13

Db 914 AGCTGGAAGCAGCTCTTTGAAGGAGGAGCCAGCA 879

RESULT 9

US-10-750-185-29302
; Sequence 29302, Application US/10750185
; Publication No. US20050260603A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM1100-2
; CURRENT APPLICATION NUMBER: US/10/750,185
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 29302
; LENGTH: 1168
; TYPE: DNA
; ORGANISM: Bovine 19866881272417
US-10-750-185-29302

Alignment Scores:
Pred. No.: 178 Length: 1168
Score: 49.00 Matches: 7
Percent Similarity: 75.0% Conservative: 2
Best Local Similarity: 58.3% Mismatches: 3
Query Match: 52.1% Indels: 0
DB: 8 Gaps: 0

US-10-030-937-68 (1-16) x US-10-750-185-29302 (1-1168)

Qy 1 PheSerTrpAspAsnCysPheGluGlyLysAspPro 12

Db 701 TTCCCGTGGGATGACTGTTTCAGAGGGGAGCCCA 736

RESULT 10

US-10-750-623-29302
; Sequence 29302, Application US/10750623
; Publication No. US20050287531A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM1100-1
; CURRENT APPLICATION NUMBER: US/10/750,623
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 29302

; LENGTH: 1168
; TYPE: DNA
; ORGANISM: Bovine 19866881272417
US-10-750-623-29302

Alignment Scores:
Pred. No.: 178 Length: 1168
Score: 49.00 Matches: 7
Percent Similarity: 75.0% Conservative: 2
Best Local Similarity: 58.3% Mismatches: 3
Query Match: 52.1% Indels: 0
DB: 8 Gaps: 0

US-10-030-937-68 (1-16) x US-10-750-623-29302 (1-1168)

Qy 1 PheSerTrpAspAsnCysPheGluGlyLysAspPro 12

Db 701 TTCCCGTGGGATGACTGTTTCAGAGGGGAGCCCA 736

RESULT 11

US-10-955-054A-149/c
; Sequence 149, Application US/10955054A
; Publication No. US20050266420A1
; GENERAL INFORMATION:
; APPLICANT: PUSZTAI, LAJOS
; APPLICANT: SYMMANS, W. FRASER
; APPLICANT: HESS, KENNETH R.
; APPLICANT: AYERS, MARK
; APPLICANT: STEC, JAMES
; TITLE OF INVENTION: MULTIGENE PREDICTORS OF RESPONSE TO CHEMOTHERAPY
; FILE REFERENCE: UTXC:880US
; CURRENT APPLICATION NUMBER: US/10/955,054A
; CURRENT FILING DATE: 2004-09-30
; NUMBER OF SEQ ID NOS: 195
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 149
; LENGTH: 6629
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-955-054A-149

Alignment Scores:
Pred. No.: 1,35e+03 Length: 6629
Score: 49.00 Matches: 8
Percent Similarity: 69.2% Conservative: 1
Best Local Similarity: 61.5% Mismatches: 4
Query Match: 52.1% Indels: 0
DB: 8 Gaps: 0

US-10-030-937-68 (1-16) x US-10-955-054A-149 (1-6629)

Qy 1 PheSerTrpAspAsnCysPheGluGlyLysAspProAla 13

Db 3202 TTCTGGTGGGATTCCTGTTCTCTGGGAGCCGCTGCT 3164

RESULT 12

US-11-175-859-75542
; Sequence 75542, Application US/11175859
; Publication No. US20060024715A1
; GENERAL INFORMATION:
; APPLICANT: Affymetrix, Inc.
; APPLICANT: Liu, Guoying et al.
; TITLE OF INVENTION: Method of Analysis of Human Polymorphism
; FILE REFERENCE: 3690.1
; CURRENT APPLICATION NUMBER: US/11/175,859
; CURRENT FILING DATE: 2005-07-05
; PRIOR APPLICATION NUMBER: US 60/585,352
; PRIOR FILING DATE: 2004-07-02
; NUMBER OF SEQ ID NOS: 116251
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 75542
; LENGTH: 50
; TYPE: DNA

```
; ORGANISM: homo sapien
US-11-175-859-75542

Alignment Scores:
Pred. No.: 6.69 Length: 50
Score: 48.00 Matches: 7
Percent Similarity: 77.8% Conservative: 0
Best Local Similarity: 77.8% Mismatches: 2
Query Match: 51.1% Indels: 0
DB: 12 Gaps: 0

US-10-030-937-68 (1-16) x US-11-175-859-75542 (1-50)

Qy 1 PheSerTrpAspAsnCysPheGluGly 9
Db 12 TTTTCTGGGATAAYTGCTTTAGAGGA 38

RESULT 13
US-09-925-065A-942407/c
; Sequence 942407, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 942407
; LENGTH: 594
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-942407

Alignment Scores:
Pred. No.: 121 Length: 594
Score: 48.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 51.1% Indels: 0
DB: 6 Gaps: 0

US-10-030-937-68 (1-16) x US-09-925-065A-942407 (1-594)

Qy 6 CysPheGluGlyLysAspProAla 13
Db 112 TGCTTTGAAGGAAGGACCCAGCC 89

RESULT 14
US-09-925-065A-942408/c
; Sequence 942408, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 942407
; LENGTH: 594
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-942408

Alignment Scores:
Pred. No.: 121 Length: 594
Score: 48.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 51.1% Indels: 0
DB: 6 Gaps: 0

US-10-030-937-68 (1-16) x US-09-925-065A-942408 (1-594)

Qy 6 CysPheGluGlyLysAspProAla 13
Db 112 TGCTTTGAAGGAAGGACCCAGCC 89

RESULT 15
US-09-925-065A-448991
; Sequence 448991, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 448991
; LENGTH: 614
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-448991

Alignment Scores:
Pred. No.: 125 Length: 614
Score: 48.00 Matches: 7
Percent Similarity: 83.3% Conservative: 3
Best Local Similarity: 58.3% Mismatches: 2
Query Match: 51.1% Indels: 0
DB: 6 Gaps: 0

US-10-030-937-68 (1-16) x US-09-925-065A-448991 (1-614)

Qy 5 AsnCysPheGluGlyLysAspProAlaValIleArg 16
Db 452 CACTGCCTTGAAGGAAGGACCCAGCTCTGCTGAGA 487
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; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 942408
; LENGTH: 594
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-942408

Alignment Scores:
Pred. No.: 121 Length: 594
Score: 48.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 51.1% Indels: 0
DB: 6 Gaps: 0

US-10-030-937-68 (1-16) x US-09-925-065A-942408 (1-594)

Qy 6 CysPheGluGlyLysAspProAla 13
Db 112 TGCTTTGAAGGAAGGACCCAGCC 89

RESULT 15
US-09-925-065A-448991
; Sequence 448991, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 448991
; LENGTH: 614
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-448991

Alignment Scores:
Pred. No.: 125 Length: 614
Score: 48.00 Matches: 7
Percent Similarity: 83.3% Conservative: 3
Best Local Similarity: 58.3% Mismatches: 2
Query Match: 51.1% Indels: 0
DB: 6 Gaps: 0

US-10-030-937-68 (1-16) x US-09-925-065A-448991 (1-614)

Qy 5 AsnCysPheGluGlyLysAspProAlaValIleArg 16
Db 452 CACTGCCTTGAAGGAAGGACCCAGCTCTGCTGAGA 487
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Search completed: February 16, 2006, 14:26:57
Job time : 235.951 secs



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OM protein - nucleic search, using frame_plus_p2n model

Run on: February 16, 2006, 12:57:39 ; Search time 20.9067 Seconds
(without alignments)
1360.379 Million cell updates/sec

Title: US-10-030-937-68

Perfect score: 94

Sequence: 1 FSWDCPEGRKPAVIR 16

Scoring table: BLOSUM62

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Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 1303057 seqs, 888780828 residues

Total number of hits satisfying chosen parameters: 2606114

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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-DB=Issued Patents NA -QWMT=fastap -SUFFIX=rni -MINMATCH=0.1 -LOOPTCI=0
-LOOPEXT=0 -UNITS=bits -START=1 -END=1 -MATRIX=blosum62 -TRANS=human40.cdi
-LIST=45 -LOCAL=200 -THR SCORE=pct -THR MAX=100 -THR MIN=0 -ALIGN=15
-MODE=LOCAL -OUTFMT=ptc -NORM=ext -HEAPSIZE=500 -MINLEN=0 -MAXLEN=200000000
-HOST=abss05p -USER=US10030937 @CGN 1.1 427 @runat 15022006 055700 6000
-NCPU=6 -ICPU=3 -NO MMAP -NEG SCORES=0 -WAIT -DSBLOCK=100 -LONGLOG
-DEV TIMEOUT=120 -WARN TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5 -FGAPOP=6
-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database :

Issued Patents NA:*
1: /cgn2_6/ptodata/1/ina/1 COMB.seq:*
2: /cgn2_6/ptodata/1/ina/5 COMB.seq:*
3: /cgn2_6/ptodata/1/ina/6A COMB.seq:*
4: /cgn2_6/ptodata/1/ina/6B COMB.seq:*
5: /cgn2_6/ptodata/1/ina/H COMB.seq:*
6: /cgn2_6/ptodata/1/ina/PCTUS COMB.seq:*
7: /cgn2_6/ptodata/1/ina/PP COMB.seq:*
8: /cgn2_6/ptodata/1/ina/RE COMB.seq:*
9: /cgn2_6/ptodata/1/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description |
|------------|-------|-------------|--------|----|---------------------|
| C 1 | 53 | 56.4 | 35417 | 3 | US-09-949-016-16129 |
| C 2 | 53 | 56.4 | 49052 | 3 | US-09-949-016-12203 |
| C 3 | 51 | 54.3 | 561 | 3 | US-09-489-039A-2692 |
| 4 | 50.5 | 53.7 | 45197 | 3 | US-09-949-016-16208 |
| 5 | 50.5 | 53.7 | 254405 | 3 | US-09-949-016-16208 |
| C 6 | 49 | 52.1 | 240157 | 3 | US-09-949-016-14381 |
| 7 | 48 | 51.1 | 4200 | 2 | US-09-949-016-16264 |
| 8 | 48 | 51.1 | 4200 | 2 | US-07-841-654B-1 |
| 9 | 48 | 51.1 | 4200 | 2 | US-07-946-234A-1 |
| | | | | | Sequence 1, Appli |
| | | | | | Sequence 1, Appli |
| | | | | | Sequence 16129, A |
| | | | | | Sequence 12203, A |
| | | | | | Sequence 2692, Ap |
| | | | | | Sequence 16208, A |
| | | | | | Sequence 14381, A |
| | | | | | Sequence 16264, A |
| | | | | | Sequence 1, Appli |
| | | | | | Sequence 1, Appli |
| | | | | | Sequence 1, Appli |

Alignment Scores:
Pred. No.: 285
Score: 53.00
Percent Similarity: 66.7%
Best Local Similarity: 60.0%
Query Match: 56.4%
DB: 3

Length: 35417
Matches: 9
Conservative: 1
Mismatch: 5
Indels: 0
Gaps: 0

ALIGNMENTS

RESULT 1

US-09-949-016-16129/c

; Sequence 16129, Application US/09949016

; Patent No. 6812339

; GENERAL INFORMATION:

; APPLICANT: VENTER, J. Craig et al.

; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

; FILE REFERENCE: CLO01307

; CURRENT APPLICATION NUMBER: US/09/949,016

; CURRENT FILING DATE: 2000-04-14

; PRIOR APPLICATION NUMBER: 60/241,755

; PRIOR FILING DATE: 2000-10-20

; PRIOR APPLICATION NUMBER: 60/237,768

; PRIOR FILING DATE: 2000-10-03

; PRIOR APPLICATION NUMBER: 60/231,498

; PRIOR FILING DATE: 2000-09-08

; NUMBER OF SEQ ID NOS: 207012

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 16129

; LENGTH: 35417

; TYPE: DNA

; ORGANISM: Human

US-09-949-016-16129


```
; LENGTH: 254405
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-14381

Alignment Scores:
Pred. No.:      8.21e+03      Length:      254405
Score:          50.50        Matches:      10
Percent Similarity: 68.4%      Conservative: 3
Best Local Similarity: 52.6%      Mismatches: 3
Query Match:     53.7%      Indels:     3
DB:              3          Gaps:         1

US-10-030-937-68 (1-16) x US-09-949-016-14381 (1-254405)

Qy 1 PheSerTrpAsp-----AsnCysPheGluGlyLysAspProAlaValIleArg 16
   |||||
Db 45072 TTCTCTGGCAGCATGATGTTCTCTGTTTCGAAGAAAAAACCACGAGTTTAAAGA 45128

RESULT 6
US-09-949-016-16264/c
; Sequence 16264, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16264
; LENGTH: 240157
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)...(240157)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-16264

Alignment Scores:
Pred. No.:      1.42e+04      Length:      240157
Score:          49.00        Matches:      7
Percent Similarity: 84.6%      Conservative: 4
Best Local Similarity: 53.8%      Mismatches: 2
Query Match:     52.1%      Indels:     0
DB:              3          Gaps:         0

US-10-030-937-68 (1-16) x US-09-949-016-16264 (1-240157)

Qy 1 PheSerTrpAspAsnCysPheGluGlyLysAspProAla 13
   |||||
Db 80562 TTTCCTGGCCAGCTGCTTCAAGGCAGATATCCCTCA 80524

RESULT 7
US-07-841-654B-1
; Sequence 1, Application US/07841654B
; Patent No. 5260209
; GENERAL INFORMATION:
; APPLICANT: Campbell, Kevin P.
; APPLICANT: Ibraghimov-Beskronaya, Oxana
; APPLICANT: Ervasti, James M.
; APPLICANT: Leveille, Cynthia J.
; APPLICANT: Matsumura, Kiichiro
; TITLE OF INVENTION: DNA ENCODING DYSTROPHIN-ASSOCIATED
```

```
; TITLE OF INVENTION: PROTEINS
; NUMBER OF SEQUENCES: 1
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
; STREET: Two Militia Drive
; CITY: Lexington
; STATE: MA
; COUNTRY: USA
; ZIP: 02173
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/841.654B
; FILING DATE: 19920220
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Brook, David E.
; REGISTRATION NUMBER: 22,592
; REFERENCE/DOCKET NUMBER: UIRF89-11AA
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617 861-6240
; TELEFAX: 617 861-9540
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4200 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 170..2855
US-07-841-654B-1

Alignment Scores:
Pred. No.:      180          Length:      4200
Score:          48.00        Matches:      7
Percent Similarity: 75.0%      Conservative: 2
Best Local Similarity: 58.3%      Mismatches: 3
Query Match:     51.1%      Indels:     0
DB:              2          Gaps:         0

US-10-030-937-68 (1-16) x US-07-841-654B-1 (1-4200)

Qy 3 TrpAspAsnCysPheGluGlyLysAspProAlaVal 14
   |||
Db 73 TGGAGCAGGTGTGCAGAGGGTGGAGCCCGGCTCTG 108

RESULT 8
US-07-946-234A-1
; Sequence 1, Application US/07946234A
; Patent No. 5308752
; GENERAL INFORMATION:
; APPLICANT: Campbell, Kevin P.
; APPLICANT: Matsumura, Kiichiro
; TITLE OF INVENTION: DIAGNOSIS OF AUTOSOMAL MUSCULAR DYSTROPHY
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: HAMILTON, BROOK, SMITH & REYNOLDS
; STREET: 2 Militia Drive
; CITY: Lexington
; STATE: MA
; COUNTRY: US
; ZIP: 02173
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
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APPLICATION NUMBER: US/07/946,234A
FILING DATE: 19920914
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Brook, David E.
REGISTRATION NUMBER: 22,592
REFERENCE/DOCKET NUMBER: UIRP89-11AAA
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)861-6240
TELEFAX: (617)861-9540
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 4200 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 170..2855
US-07-946-234A-1

Alignment Scores: Length: 4200
Pred. No.: 180 Matches: 7
Score: 48.00 Conservative: 2
Percent Similarity: 75.0% Mismatches: 3
Best Local Similarity: 58.3% Indels: 0
Query Match: 51.1% Gaps: 0
DB: 2

US-10-030-937-68 (1-16) x US-07-946-234A-1 (1-4200)

Qy 3 TtpAspAenCysPheGluGlyLysAspProAlaVal 14
Db 73 TGGAGCAGGTGTGCAGAGGTGAGGACCCGGCTCTG 108

RESULT 9

US-08-123-161A-1
Sequence 1, Application US/08123161A
Patent No. 5449616
GENERAL INFORMATION:
APPLICANT: Campbell, Kevin P.
APPLICANT: Roberts, Steven L.
APPLICANT: Anderson, Richard D.
APPLICANT: Ibraghimov, Oxana B.
APPLICANT: Yang, Bin
TITLE OF INVENTION: NUCLEIC ACID ENCODING DYSTROPHIN-ASSOCIATED
TITLE OF INVENTION: PROTEIN
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Kevin M. Farrell, P.C.
STREET: P.O. Box 999
CITY: York Harbor
STATE: ME
COUNTRY: USA
ZIP: 03911
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/123,161A
FILING DATE: 16-SEP-93
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/946,234
FILING DATE: 14-SEP-92
ATTORNEY/AGENT INFORMATION:
NAME: Farrell, Kevin M.
REGISTRATION NUMBER: 35,505
REFERENCE/DOCKET NUMBER: UIRP89-11A4
TELECOMMUNICATION INFORMATION:

TELEPHONE: (207) 363-0558
TELEFAX: (207) 363-0528
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 4200 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 170..2855
US-08-123-161A-1

Alignment Scores: Length: 4200
Pred. No.: 180 Matches: 7
Score: 48.00 Conservative: 2
Percent Similarity: 75.0% Mismatches: 3
Best Local Similarity: 58.3% Indels: 0
Query Match: 51.1% Gaps: 0
DB: 2

US-10-030-937-68 (1-16) x US-08-123-161A-1 (1-4200)

Qy 3 TtpAspAenCysPheGluGlyLysAspProAlaVal 14
Db 73 TGGAGCAGGTGTGCAGAGGTGAGGACCCGGCTCTG 108

RESULT 10

US-08-483-278-1
Sequence 1, Application US/08483278
Patent No. 5686073
GENERAL INFORMATION:
APPLICANT: Campbell, Kevin P.
APPLICANT: Ibraghimov, Oxana B.
APPLICANT: Ervasti, James W.
APPLICANT: Leveille, Cynthia J.
TITLE OF INVENTION: NUCLEIC ACID ENCODING DYSTROPHIN-ASSOCIATED
TITLE OF INVENTION: PROTEIN
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: Kevin M. Farrell, P.C.
STREET: P.O. Box 999
CITY: York Harbor
STATE: ME
COUNTRY: USA
ZIP: 03911
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/483,278
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/123,161
FILING DATE: 16-SEP-93
ATTORNEY/AGENT INFORMATION:
NAME: Farrell, Kevin M.
REGISTRATION NUMBER: 35,505
REFERENCE/DOCKET NUMBER: UIRP89-11A5
TELECOMMUNICATION INFORMATION:
TELEPHONE: (207) 363-0558
TELEFAX: (207) 363-0528
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 4200 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA

FEATURE:
NAME/KEY: CDS
LOCATION: 170..2855
US-08-483-278-1

Alignment Scores:
Pred. No.: 180 Length: 4200
Score: 48.00 Matches: 7
Percent Similarity: 75.0% Conservative: 2
Best Local Similarity: 58.3% Mismatches: 3
Query Match: 51.1% Indels: 0
DB: 2 Gaps: 0

US-10-030-937-68 (1-16) x US-08-483-278-1 (1-4200)

Qy 3 TrpAspAenCysPheGluGlyAspProAlaVal 14
Db 73 TGGAGCAGGTGTGCAGAGGGTGAGGACCCGGCTCTG 108

RESULT 11

PCT-US93-01560-1
Sequence 1, Application PC/TUS9301560
GENERAL INFORMATION:
APPLICANT: University of Iowa Research Foundation
TITLE OF INVENTION: DNA ENCODING DYSTROPHIN-ASSOCIATED
TITLE OF INVENTION: PROTEINS
NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Militia Drive
CITY: Lexington
STATE: MA
COUNTRY: USA
ZIP: 02173
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/01560
FILING DATE: 19930219
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/841,654
FILING DATE: 20-FEB-1992
ATTORNEY/AGENT INFORMATION:
NAME: Brook, David E.
REGISTRATION NUMBER: 22,592
REFERENCE/DOCKET NUMBER: UIRF89-11AA
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617 861-6240
TELEFAX: 617 861-9540
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 4200 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 170..2855
PCT-US93-01560-1

Alignment Scores:
Pred. No.: 180 Length: 4200
Score: 48.00 Matches: 7
Percent Similarity: 75.0% Conservative: 2
Best Local Similarity: 58.3% Mismatches: 3
Query Match: 51.1% Indels: 0
DB: 6 Gaps: 0

US-10-030-937-68 (1-16) x PCT-US93-01560-1 (1-4200)

Qy 3 TrpAspAenCysPheGluGlyAspProAlaVal 14
Db 73 TGGAGCAGGTGTGCAGAGGGTGAGGACCCGGCTCTG 108

RESULT 12

US-09-949-016-2641/c
Sequence 2641, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 2641
LENGTH: 3647
TYPE: DNA
ORGANISM: Human
US-09-949-016-2641

Alignment Scores:
Pred. No.: 230 Length: 3647
Score: 47.00 Matches: 7
Percent Similarity: 75.0% Conservative: 2
Best Local Similarity: 58.3% Mismatches: 3
Query Match: 50.0% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-68 (1-16) x US-09-949-016-2641 (1-3647)

Qy 3 TrpAspAenCysPheGluGlyAspProAlaVal 14
Db 1836 TGGAGTGTCTGTTTCCAGGGGAAAAACCAATAGTG 1801

RESULT 13

US-09-949-016-14383/c
Sequence 14383, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 14383
LENGTH: 54950
TYPE: DNA
ORGANISM: Human
FEATURE:
NAME/KEY: misc feature
LOCATION: (1)-(54950)
OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14383

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Alignment Scores:
Pred. No.: 5.67e+03 Length: 54950
Score: 47.00 Matches: 7
Percent Similarity: 75.0% Conservative: 2
Best Local Similarity: 58.3% Mismatches: 3
Query Match: 50.0% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-68 (1-16) x US-09-949-016-14383 (1-54950)

Qy 3 TrpAspAsnCysPheGluGlyLysAspProAlaVal 14
Db 51138 TGGGATTGCTGTTCCCAAGGGGAAAAACCAATAGT 51103

RESULT 14
; Sequence 12000, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12000
; LENGTH: 12416
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-12000

Alignment Scores:
Pred. No.: 1.2e+03 Length: 12416
Score: 46.50 Matches: 9
Percent Similarity: 57.1% Conservative: 3
Best Local Similarity: 42.9% Mismatches: 4
Query Match: 49.5% Indels: 5
DB: 3 Gaps: 1

US-10-030-937-68 (1-16) x US-09-949-016-12000 (1-12416)

Qy 1 PheSerTrp-----AspAsnCysPheGluGlyLysAspProAlaVal 15
Db 4414 TTCTCTGGTCCAGTTTACCTTTAGATAAATGTTTAAAGGGTAAATAATGCTGATTTC 4473

Qy 16 Arg 16
Db 4474 AGA 4476

RESULT 15
US-09-949-016-16170
; Sequence 16170, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
```

```
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16170
; LENGTH: 12418
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-16170

Alignment Scores:
Pred. No.: 1.2e+03 Length: 12418
Score: 46.50 Matches: 9
Percent Similarity: 57.1% Conservative: 3
Best Local Similarity: 42.9% Mismatches: 4
Query Match: 49.5% Indels: 5
DB: 3 Gaps: 1

US-10-030-937-68 (1-16) x US-09-949-016-16170 (1-12418)

Qy 1 PheSerTrp-----AspAsnCysPheGluGlyLysAspProAlaVal 15
Db 4414 TTCTCTGGTCCAGTTTACCTTTAGATAAATGTTTAAAGGGTAAATAATGCTGATTTC 4473

Qy 16 Arg 16
Db 4474 AGA 4476

Search completed: February 16, 2006, 14:01:25
Job time : 44.9067 secs
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GenCore version 5.1.7
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: February 15, 2006, 09:52:05 ; Search time 20.0533 Seconds
(without alignments)
333.374 Million cell updates/sec

Title: US-10-030-937-68

Perfect score: 16

Sequence: 1 FSWNCFEGKDPVIR 16

Scoring table: OLIGO 60.0 , Gapext 60.0

Searched: 1867569 seqs, 417829326 residues

Word size : 0

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 150 summaries

Database : Published Applications AA.Main.*

- 1: /cgn2_6/ptodata/1/pubaa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/ptodata/1/pubaa/US08_PUBCOMB.pep.*
- 3: /cgn2_6/ptodata/1/pubaa/US09_PUBCOMB.pep.*
- 4: /cgn2_6/ptodata/1/pubaa/US10A_PUBCOMB.pep.*
- 5: /cgn2_6/ptodata/1/pubaa/US10B_PUBCOMB.pep.*
- 6: /cgn2_6/ptodata/1/pubaa/US11_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description |
|------------|-------|-------------|--------|----|----------------------|
| 1 | 9 | 56.2 | 193 | 4 | US-10-170-385-389 |
| 2 | 9 | 56.2 | 193 | 5 | US-10-723-860-529 |
| 3 | 9 | 56.2 | 193 | 5 | US-10-450-763-31079 |
| 4 | 6 | 37.5 | 85 | 3 | US-09-864-408A-5064 |
| 5 | 6 | 37.5 | 91 | 5 | US-10-450-763-37017 |
| 6 | 6 | 37.5 | 105 | 4 | US-10-424-599-274901 |
| 7 | 6 | 37.5 | 126 | 3 | US-09-815-242-5124 |
| 8 | 6 | 37.5 | 126 | 4 | US-10-282-122A-43427 |
| 9 | 6 | 37.5 | 143 | 3 | US-09-764-891-4060 |
| 10 | 6 | 37.5 | 160 | 4 | US-10-424-599-260239 |
| 11 | 6 | 37.5 | 168 | 5 | US-10-450-763-37014 |
| 12 | 6 | 37.5 | 199 | 4 | US-10-383-201-8 |
| 13 | 6 | 37.5 | 203 | 4 | US-10-383-201-6 |
| 14 | 6 | 37.5 | 217 | 4 | US-10-383-201-4 |
| 15 | 6 | 37.5 | 243 | 4 | US-10-383-201-2 |
| 16 | 6 | 37.5 | 257 | 5 | US-10-450-763-37015 |
| 17 | 6 | 37.5 | 297 | 3 | US-09-367-528A-1 |
| 18 | 6 | 37.5 | 297 | 3 | US-09-367-528A-3 |
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| 21 | 6 | 37.5 | 308 | 4 | US-10-282-122A-52133 |
| 22 | 6 | 37.5 | 329 | 4 | US-10-369-493-588 |
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| 24 | 6 | 37.5 | 379 | 4 | US-10-282-122A-60813 |
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| 26 | 6 | 37.5 | 403 | 4 | US-10-369-433-20145 |
| 27 | 6 | 37.5 | 423 | 4 | US-10-637-831-6 |

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Sequence 31079, A
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Sequence 5124, Ap
Sequence 43427, A
Sequence 4060, Ap
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Sequence 6, Appli
Sequence 4, Appli
Sequence 2, Appli
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ALIGNMENTS

RESULT 1
US-10-170-385-389
; Sequence 389, Application US/10170385
; Publication No. US20030203372A1
; GENERAL INFORMATION:
; APPLICANT: Ward, Neil Raymond
; APPLICANT: Mundy, Christopher Robert
; APPLICANT: Kan, On
; APPLICANT: Harris, Robert Alan
; APPLICANT: White, Jonathan
; APPLICANT: Binley, Katie Mary
; APPLICANT: Rayner, William Nigel
; APPLICANT: Naylor, Stuart
; APPLICANT: Kingsman, Susan Mary
; APPLICANT: Krige, David
; TITLE OF INVENTION: ANALYSIS METHOD
; FILE REFERENCE: 53262000100
; CURRENT APPLICATION NUMBER: US/10/170,385

; CURRENT FILING DATE: 2002-06-12
; PRIOR APPLICATION NUMBER: PCT/GB02/01662
; PRIOR FILING DATE: 2002-04-08
; PRIOR APPLICATION NUMBER: PCT/GB01/05458
; PRIOR FILING DATE: 2001-12-10
; NUMBER OF SEQ ID NOS: 549
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 389
; LENGTH: 193
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-10-170-385-389

Query Match 56.2%; Score 9; DB 4; Length 193;
Best Local Similarity 100.0%; Pred. No. 0.066;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 EGKDPVIR 16
Db 41 EGKDPVIR 49
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RESULT 2
US-10-723-860-529
; Sequence 529, Application US/10723860
; Publication No. US20040253606A1
; GENERAL INFORMATION:
; APPLICANT: Aziz, Natasha
; APPLICANT: Ginsburg, Wendy M.
; APPLICANT: Zlotnik, Albert
; TITLE OF INVENTION: Methods of Diagnosis of Soft Tissue Sarcoma, Compositions &
; FILE REFERENCE: 05882.0193.NPUS01
; CURRENT APPLICATION NUMBER: US/10/723,860
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: 60/429,739
; PRIOR FILING DATE: 2002-11-26
; NUMBER OF SEQ ID NOS: 8393
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 529
; LENGTH: 193
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-723-860-529

Query Match 56.2%; Score 9; DB 5; Length 193;
Best Local Similarity 100.0%; Pred. No. 0.066;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 EGKDPVIR 16
Db 41 EGKDPVIR 49
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RESULT 3
US-10-450-763-31079
; Sequence 31079, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 31079

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; LENGTH: 193
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-450-763-31079

Query Match          56.2%; Score 9; DB 5; Length 193;
Best Local Similarity 100.0%; Pred. No. 0.066;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 EGKDPVIR 16
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Db 41 EGKDPVIR 49

RESULT 4
US-10-864-408A-5064
; Sequence 5064, Application US/09864408A
; Publication No. US20040009474A1
; GENERAL INFORMATION:
; APPLICANT: Leach, Martin D.
; APPLICANT: Shimkets, Richard A.
; TITLE OF INVENTION: No. US20040009474A1el Human Polynucleotides and Polypeptides Encod
; FILE REFERENCE: 21402-012
; CURRENT APPLICATION NUMBER: US/09/864,408A
; CURRENT FILING DATE: 2001-05-24
; PRIOR APPLICATION NUMBER: 60/206,690
; PRIOR FILING DATE: 2000-05-24
; NUMBER OF SEQ ID NOS: 9068
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5064
; LENGTH: 85
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)-(1)
; OTHER INFORMATION: Wherein Xaa may be any naturally occurring amino acid
US-10-864-408A-5064

Query Match          37.5%; Score 6; DB 3; Length 85;
Best Local Similarity 100.0%; Pred. No. 53;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 DPAVIR 16
    |||||
Db 73 DPAVIR 78

RESULT 5
US-10-450-763-37017
; Sequence 37017, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hysed, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 37017
; LENGTH: 91
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (18)..(91)

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; OTHER INFORMATION: SCP-like extracellular protein domain identified by Pfam,
; OTHER INFORMATION: accession name SCP, E-value=1.4e-27, Pfam score of 103.1
US-10-450-763-37017

Query Match          37.5%; Score 6; DB 5; Length 91;
Best Local Similarity 100.0%; Pred. No. 56;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 EGKDPA 13
    |||||
Db 35 EGKDPA 40

RESULT 6
US-10-424-599-274901
; Sequence 274901, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kowalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 274901
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(105)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_90256C.1.1.pcp
US-10-424-599-274901

Query Match          37.5%; Score 6; DB 4; Length 105;
Best Local Similarity 100.0%; Pred. No. 63;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 EGKDPA 13
    |||||
Db 42 EGKDPA 47

RESULT 7
US-09-815-242-5124
; Sequence 5124, Application US/09815242
; Patent No. US20020061569A1
; GENERAL INFORMATION:
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari L.
; APPLICANT: Zyskind, Judith W.
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John D.
; APPLICANT: Carr, Grant J.
; APPLICANT: Yamamoto, Robert T.
; APPLICANT: Xu, H. Howard
; TITLE OF INVENTION: Identification of Essential Genes in
; TITLE OF INVENTION: Prokaryotes
; FILE REFERENCE: ELITRA.011A
; CURRENT APPLICATION NUMBER: US/09/815,242
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26

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; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 14110
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5124
; LENGTH: 126
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-815-242-5124

Query Match 37.5%; Score 6; DB 3; Length 126;
Best Local Similarity 100.0%; Pred. No. 73;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 EGKDP A 13
| | | | |
Db 3 EGKDP A 8

RESULT 8
US-10-282-122A-43427
; Sequence 43427, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 43427
; LENGTH: 126
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa

US-10-282-122A-43427

Query Match 37.5%; Score 6; DB 4; Length 126;
Best Local Similarity 100.0%; Pred. No. 73;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 EGKDP A 13
| | | | |
Db 3 EGKDP A 8

RESULT 9
US-09-764-891-4060
; Sequence 4060, Application US/09764891
; Publication No. US20030077808A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC006
; CURRENT APPLICATION NUMBER: US/09/764,891
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 10231
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4060
; LENGTH: 143
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (65)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (126)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (131)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-764-891-4060

Query Match 37.5%; Score 6; DB 3; Length 143;
Best Local Similarity 100.0%; Pred. No. 81;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 EGKDP A 13
| | | | |
Db 76 EGKDP A 81

RESULT 10
US-10-424-599-260239
; Sequence 260239, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 260239
; LENGTH: 160
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_77019C.1.pep
US-10-424-599-260239

Query Match 37.5%; Score 6; DB 4; Length 160;

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Best Local Similarity 100.0%; Pred. No. 89;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 DPAVIR 16
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Db 99 DPAVIR 104

RESULT 11
US-10-450-763-37014
; Sequence 37014, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; PRIOR FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 37014
; LENGTH: 168
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (75)..(93)
; OTHER INFORMATION: Extracellular proteins SCP/Tpx-1/Ag5/PR-1/Sc7 proteins domain
; OTHER INFORMATION: identified by eMATRIX, accession number BL01009A, p-value=9.571e-
; OTHER INFORMATION: 16, raw score of 13.75
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (17)..(154)
; OTHER INFORMATION: SCP-like extracellular protein domain identified by PFAM,
; OTHER INFORMATION: accession name SCP, E-value=1.1e-60, Pfam score of 215.1
US-10-450-763-37014

Query Match 37.5%; Score 6; DB 5; Length 168;
Best Local Similarity 100.0%; Pred. No. 93;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 EGKDP A 13
    |||||
Db 34 EGKDP A 39

RESULT 12
US-10-383-201-8
; Sequence 8, Application US/10383201
; Publication No. US20040029226A1
; GENERAL INFORMATION:
; APPLICANT: Alsbrook II, John et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-568A
; CURRENT APPLICATION NUMBER: US/10/383,201
; PRIOR FILING DATE: 2003-03-06
; PRIOR APPLICATION NUMBER: 10/029020
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 60/365,984
; PRIOR FILING DATE: 2002-03-20
; PRIOR APPLICATION NUMBER: 60/372,022
; PRIOR FILING DATE: 2002-04-12
; PRIOR APPLICATION NUMBER: 60/389,143
; PRIOR FILING DATE: 2002-06-14
; PRIOR APPLICATION NUMBER: 60/391,779
; PRIOR FILING DATE: 2002-06-26
; PRIOR APPLICATION NUMBER: 60/410,755
; PRIOR FILING DATE: 2002-09-13
; PRIOR APPLICATION NUMBER: 60/412,957
; PRIOR FILING DATE: 2002-09-23
; PRIOR APPLICATION NUMBER: 10/051,874
; PRIOR FILING DATE: 2002-01-16
; PRIOR APPLICATION NUMBER: 60/366,928
; PRIOR FILING DATE: 2002-03-22
; PRIOR APPLICATION NUMBER: 10/055,877
; PRIOR FILING DATE: 2002-01-22
; NUMBER OF SEQ ID NOS: 155
; SOFTWARE: CuraSeqList version 0.1
; SEQ ID NO 6
; LENGTH: 203
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-383-201-8

Query Match 37.5%; Score 6; DB 4; Length 203;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 EGKDP A 13
    |||||
Db 4 EGKDP A 9
```

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; PRIOR FILING DATE: 2002-09-13
; PRIOR APPLICATION NUMBER: 60/412,957
; PRIOR FILING DATE: 2002-09-23
; PRIOR APPLICATION NUMBER: 10/051,874
; PRIOR FILING DATE: 2002-01-16
; PRIOR APPLICATION NUMBER: 60/366,928
; PRIOR FILING DATE: 2002-03-22
; PRIOR APPLICATION NUMBER: 10/055,877
; PRIOR FILING DATE: 2002-01-22
; NUMBER OF SEQ ID NOS: 155
; SOFTWARE: CuraSeqList version 0.1
; SEQ ID NO 8
; LENGTH: 199
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-383-201-8

Query Match 37.5%; Score 6; DB 4; Length 199;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 EGKDP A 13
    |||||
Db 2 EGKDP A 7

RESULT 13
US-10-383-201-6
; Sequence 6, Application US/10383201
; Publication No. US20040029226A1
; GENERAL INFORMATION:
; APPLICANT: Alsbrook II, John et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-568A
; CURRENT APPLICATION NUMBER: US/10/383,201
; CURRENT FILING DATE: 2003-03-05
; PRIOR APPLICATION NUMBER: 10/029020
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 60/365,984
; PRIOR FILING DATE: 2002-03-20
; PRIOR APPLICATION NUMBER: 60/372,022
; PRIOR FILING DATE: 2002-04-12
; PRIOR APPLICATION NUMBER: 60/389,143
; PRIOR FILING DATE: 2002-06-14
; PRIOR APPLICATION NUMBER: 60/391,779
; PRIOR FILING DATE: 2002-06-26
; PRIOR APPLICATION NUMBER: 60/410,755
; PRIOR FILING DATE: 2002-09-13
; PRIOR APPLICATION NUMBER: 60/412,957
; PRIOR FILING DATE: 2002-09-23
; PRIOR APPLICATION NUMBER: 10/051,874
; PRIOR FILING DATE: 2002-01-16
; PRIOR APPLICATION NUMBER: 60/366,928
; PRIOR FILING DATE: 2002-03-22
; PRIOR APPLICATION NUMBER: 10/055,877
; PRIOR FILING DATE: 2002-01-22
; NUMBER OF SEQ ID NOS: 155
; SOFTWARE: CuraSeqList version 0.1
; SEQ ID NO 6
; LENGTH: 203
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-383-201-6

Query Match 37.5%; Score 6; DB 4; Length 203;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 EGKDP A 13
    |||||
Db 4 EGKDP A 9
```

```
RESULT 14
US-10-383-201-4
; Sequence 4, Application US/10383201
; Publication No. US20040029226A1
; GENERAL INFORMATION:
; APPLICANT: Alsbrook II, John et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-568A
; CURRENT FILING DATE: 2003-03-06
; PRIOR APPLICATION NUMBER: US/10/383,201
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 60/365,984
; PRIOR FILING DATE: 2002-03-20
; PRIOR APPLICATION NUMBER: 60/372,022
; PRIOR FILING DATE: 2002-04-12
; PRIOR APPLICATION NUMBER: 60/389,143
; PRIOR FILING DATE: 2002-06-14
; PRIOR APPLICATION NUMBER: 60/391,779
; PRIOR FILING DATE: 2002-06-26
; PRIOR APPLICATION NUMBER: 60/410,755
; PRIOR FILING DATE: 2002-09-13
; PRIOR APPLICATION NUMBER: 60/412,957
; PRIOR FILING DATE: 2002-09-23
; PRIOR APPLICATION NUMBER: 10/051,874
; PRIOR FILING DATE: 2002-01-16
; PRIOR APPLICATION NUMBER: 60/366,928
; PRIOR FILING DATE: 2002-03-22
; PRIOR APPLICATION NUMBER: 10/055,877
; PRIOR FILING DATE: 2002-01-22
; NUMBER OF SEQ ID NOS: 155
; SOFTWARE: CuraseqList version 0.1
; SEQ ID NO 4
; LENGTH: 217
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-383-201-4

Query Match          37.5%; Score 6; DB 4; Length 217;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      8 EGKDP A 13
Db      20 EGKDP A 25
      |||||

RESULT 15
US-10-383-201-2
; Sequence 2, Application US/10383201
; Publication No. US20040029226A1
; GENERAL INFORMATION:
; APPLICANT: Alsbrook II, John et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-568A
; CURRENT APPLICATION NUMBER: US/10/383,201
; CURRENT FILING DATE: 2003-03-06
; PRIOR APPLICATION NUMBER: 10/025020
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 60/365,984
; PRIOR FILING DATE: 2002-03-20
; PRIOR APPLICATION NUMBER: 60/372,022
; PRIOR FILING DATE: 2002-04-12
; PRIOR APPLICATION NUMBER: 60/389,143
; PRIOR FILING DATE: 2002-06-14
; PRIOR APPLICATION NUMBER: 60/391,779
; PRIOR FILING DATE: 2002-06-26
; PRIOR APPLICATION NUMBER: 60/410,755
; PRIOR FILING DATE: 2002-09-13
; PRIOR APPLICATION NUMBER: 60/412,957
; PRIOR FILING DATE: 2002-09-23
; PRIOR APPLICATION NUMBER: 10/051,874
; PRIOR FILING DATE: 2002-01-16
;

Query Match          37.5%; Score 6; DB 4; Length 217;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      8 EGKDP A 13
Db      20 EGKDP A 25
      |||||

RESULT 16
US-10-450-763-37015
; Sequence 37015, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 37015
; LENGTH: 257
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (149)..(170)
; OTHER INFORMATION: Extracellular proteins SCP/Tpx-1/Ag5/PR-1/Sc7 proteins domain
; OTHER INFORMATION: identified by eMATRIX, accession number BL01009D, p-value=9.471e-
; OTHER INFORMATION: 23, raw score of 14.19
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (17)..(191)
; OTHER INFORMATION: SCP-like extracellular protein domain identified by PFam,
; OTHER INFORMATION: accession name SCP, E-value=7.9e-97, PFam score of 335.1
US-10-450-763-37015

Query Match          37.5%; Score 6; DB 5; Length 257;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      8 EGKDP A 13
Db      34 EGKDP A 39
      |||||

RESULT 17
US-09-367-528A-1
; Sequence 1, Application US/09367528A
; Publication No. US20010051359A1
; GENERAL INFORMATION:
; APPLICANT: TOYOTA JIDOSHA KABUSHIKI KAISHA
; TITLE OF INVENTION: Geranyl Diphosphate Synthetase Gene
; FILE REFERENCE: PH-586
```


; CURRENT APPLICATION NUMBER: US/09/367,528A
; CURRENT FILING DATE: 1999-08-16
; PRIOR APPLICATION NUMBER: JP97/346686
; PRIOR FILING DATE: 1997-12-16
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 297
; TYPE: PRT
; ORGANISM: Bacillus stearothermophilus
; NAME/KEY: PEPTIDE
; LOCATION: 82
; OTHER INFORMATION: Xaa represents Val, Leu, Ile, Thr, Asp, Glu, Asn, Gln, Lys,
; OTHER INFORMATION: Arg, Cys, Met, Phe, Tyr, Trp, His or Pro.
US-09-367-528A-1

Query Match 37.5%; Score 6; DB 3; Length 297;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 GKDPV 14
| | | | |
DB 62 GKDPV 67

RESULT 18
US-09-367-528A-3
; Sequence 3, Application US/09367528A
; Publication No. US20010051359A1
; GENERAL INFORMATION:
; APPLICANT: TOYOTA JIDOSHA KABUSHIKI KAISHA
; TITLE OF INVENTION: Geranyl Diphosphate Synthetase Gene
; FILE REFERENCE: PH-586
; CURRENT APPLICATION NUMBER: US/09/367,528A
; CURRENT FILING DATE: 1999-08-16
; PRIOR APPLICATION NUMBER: JP97/346686
; PRIOR FILING DATE: 1997-12-16
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 297
; TYPE: PRT
; ORGANISM: Bacillus stearothermophilus
US-09-367-528A-3

Query Match 37.5%; Score 6; DB 3; Length 297;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 GKDPV 14
| | | | |
DB 62 GKDPV 67

RESULT 19
US-09-367-528A-5
; Sequence 5, Application US/09367528A
; Publication No. US20010051359A1
; GENERAL INFORMATION:
; APPLICANT: TOYOTA JIDOSHA KABUSHIKI KAISHA
; TITLE OF INVENTION: Geranyl Diphosphate Synthetase Gene
; FILE REFERENCE: PH-586
; CURRENT APPLICATION NUMBER: US/09/367,528A
; CURRENT FILING DATE: 1999-08-16
; PRIOR APPLICATION NUMBER: JP97/346686
; PRIOR FILING DATE: 1997-12-16
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 297
; TYPE: PRT
; ORGANISM: Bacillus stearothermophilus

US-09-367-528A-5

Query Match 37.5%; Score 6; DB 3; Length 297;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 GKDPV 14
| | | | |
DB 62 GKDPV 67

RESULT 20
US-10-462-698A-76
; Sequence 76, Application US/10462698A
; Publication No. US20040029239A1
; GENERAL INFORMATION:
; APPLICANT: TOYOTA JIDOSHA KABUSHIKI KAISHA
; TITLE OF INVENTION: A method of producing prenylalcohol
; FILE REFERENCE: PH-1412PCT
; CURRENT APPLICATION NUMBER: US/10/462,698A
; CURRENT FILING DATE: 2003-06-17
; PRIOR APPLICATION NUMBER: JP2000-401701
; PRIOR FILING DATE: 2000-12-28
; NUMBER OF SEQ ID NOS: 86
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 76
; LENGTH: 297
; TYPE: PRT
; ORGANISM: Bacillus stearothermophilus
US-10-462-698A-76

Query Match 37.5%; Score 6; DB 4; Length 297;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 GKDPV 14
| | | | |
DB 62 GKDPV 67

RESULT 21
US-10-282-122A-52133
; Sequence 52133, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23

```
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 52133
; LENGTH: 308
; TYPE: PRT
; ORGANISM: Clostridium acetobutylicum
US-10-282-122A-52133

Query Match      37.5%; Score 6; DB 4; Length 308;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches      6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      6 CFEKGD 11
Db      48 CFEKGD 53

RESULT 22
US-10-369-493-588
; Sequence 588, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; FILE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 588
; LENGTH: 329
; TYPE: PRT
; ORGANISM: Deinococcus radiodurans
US-10-369-493-588

Query Match      37.5%; Score 6; DB 4; Length 329;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches      6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 KDPavi 15
Db      265 KDPavi 270

RESULT 23
US-10-732-923-5280
; Sequence 5280, Application US/10732923
; Publication No. US20050108791A1
; GENERAL INFORMATION:
; APPLICANT: Edgerton, Michael D
; TITLE OF INVENTION: TRANSGENIC PLANTS WITH IMPROVED PHENOTYPES
; FILE REFERENCE: 38-15(52796)C
; CURRENT APPLICATION NUMBER: US/10/732,923
; CURRENT FILING DATE: 2003-12-10
; PRIOR APPLICATION NUMBER: 10/310,154
; PRIOR FILING DATE: 2002-12-04
; NUMBER OF SEQ ID NOS: 24149
; SEQ ID NO 5280
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; LENGTH: 329
; TYPE: PRT
; ORGANISM: Deinococcus radiodurans
US-10-732-923-5280

Query Match      37.5%; Score 6; DB 5; Length 329;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches      6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 KDPavi 15
Db      265 KDPavi 270

RESULT 24
US-10-282-122A-60813
; Sequence 60813, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 60813
; LENGTH: 379
; TYPE: PRT
; ORGANISM: Listeria monocytogenes
US-10-282-122A-60813

Query Match      37.5%; Score 6; DB 4; Length 379;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches      6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      8 EGKDPa 13
Db      163 EGKDPa 168
```

```
RESULT 25
US-10-437-963-200217
; Sequence 200217, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 200217
; LENGTH: 391
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(391)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_95708C.1.pap
US-10-437-963-200217

Query Match          37.5%; Score 6; DB 4; Length 391;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 11 DPAVIR 16
Db 95 DPAVIR 100

RESULT 26
US-10-369-493-20145
; Sequence 20145, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 20145
; LENGTH: 403
; TYPE: PRT
; ORGANISM: No. US20030233675altoc punctiforme
US-10-369-493-20145

Query Match          37.5%; Score 6; DB 4; Length 403;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 GKDPVAV 14
Db 250 GKDPVAV 255

RESULT 27
US-10-637-831-6
; Sequence 6, Application US/10637831
; Publication No. US20040148654A1
; GENERAL INFORMATION:
; APPLICANT: Helentjaris, Tim
; TITLE OF INVENTION: Modulation of Abscissic Acid
; FILE REFERENCE: 35718/204777
; CURRENT APPLICATION NUMBER: US/10/637,831
; CURRENT FILING DATE: 2003-08-08
; PRIOR APPLICATION NUMBER: US/09/715,774
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: US 60/166,080
; PRIOR FILING DATE: 1999-11-17
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 423
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-10-637-831-6

Query Match          37.5%; Score 6; DB 4; Length 423;
Best Local Similarity 100.0%; Pred. No. 2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 EGKDPA 13
Db 378 EGKDPA 383

RESULT 28
US-10-171-404A-46
; Sequence 46, Application US/10171404A
; Publication No. US20030177529A1
; GENERAL INFORMATION:
; APPLICANT: BASF PLANT SCIENCE GMBH
; TITLE OF INVENTION: SUGAR AND LIPID METABOLISM REGULATORS IN PLANTS II
; FILE REFERENCE: 16313-0119
; CURRENT APPLICATION NUMBER: US/10/171,404A
; CURRENT FILING DATE: 2002-11-19
; PRIOR APPLICATION NUMBER: 60/295,680
; PRIOR FILING DATE: 2001-06-04
; NUMBER OF SEQ ID NOS: 99
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 46
; LENGTH: 434
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-10-171-404A-46

Query Match          37.5%; Score 6; DB 4; Length 434;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 EGKDPA 13
Db 389 EGKDPA 394

RESULT 29
US-10-637-831-4
; Sequence 4, Application US/10637831
; Publication No. US20040148654A1
; GENERAL INFORMATION:
; APPLICANT: Helentjaris, Tim
; TITLE OF INVENTION: Modulation of Abscissic Acid
; FILE REFERENCE: 35718/204777
; CURRENT APPLICATION NUMBER: US/10/637,831
; CURRENT FILING DATE: 2003-08-08
; PRIOR APPLICATION NUMBER: US/09/715,774
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: US 60/166,080
; 
```

; PRIOR FILING DATE: 1999-11-17
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 434
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-10-637-831-4

Query Match 37.5%; Score 6; DB 4; Length 434;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 EGKDP 13
Db 389 EGKDP 394

RESULT 30

US-10-282-122A-49297
; Sequence 49297, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.

; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 49297
; LENGTH: 446
; TYPE: PRT
; ORGANISM: Burkholderia fungorum
US-10-282-122A-49297

Query Match 37.5%; Score 6; DB 4; Length 446;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 GKDP 14

Db 324 GKDP 329

RESULT 31

US-10-437-963-203808
; Sequence 203808, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping

; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 203808
; LENGTH: 471
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:

; OTHER INFORMATION: Clone ID: PAT_MRT4530_98957C.1.pep
US-10-437-963-203808

Query Match 37.5%; Score 6; DB 4; Length 471;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 KDP 15
Db 249 KDP 254

RESULT 32

US-10-732-923-1109
; Sequence 1109, Application US/10732923
; Publication No. US20050108791A1
; GENERAL INFORMATION:
; APPLICANT: Edgerton, Michael D
; TITLE OF INVENTION: TRANSGENIC PLANTS WITH IMPROVED PHENOTYPES
; FILE REFERENCE: 38-15(52796)C
; CURRENT APPLICATION NUMBER: US/10/732,923
; CURRENT FILING DATE: 2003-12-10
; PRIOR APPLICATION NUMBER: 10/310,154
; PRIOR FILING DATE: 2002-12-04
; NUMBER OF SEQ ID NOS: 24149
; SEQ ID NO 1109
; LENGTH: 474
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(474)
; OTHER INFORMATION: unsure at all Xaa locations
US-10-732-923-1109

Query Match 37.5%; Score 6; DB 5; Length 474;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 FEKDP 12
Db 249 FEKDP 254

RESULT 33

```
US-10-672-282-10
; Sequence 10, Application US/10672282
; Publication No. US20040154056A1
; GENERAL INFORMATION:
; APPLICANT: Rogers, Elizabeth
; TITLE OF INVENTION: NOVEL MOLECULES OF THE MULTI-DRUG AND TOXIN
; FILE REFERENCE: DCI-111
; CURRENT APPLICATION NUMBER: US/10/672,282
; CURRENT FILING DATE: 2003-09-25
; PRIOR APPLICATION NUMBER: 60/280,621
; PRIOR FILING DATE: 2001-03-30
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10
; LENGTH: 523
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-10-672-282-10

Query Match      37.5%; Score 6; DB 4; Length 523;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 KDPavi 15
Db      419 KDPavi 424

RESULT 34
US-10-672-282-3
; Sequence 3, Application US/10672282
; Publication No. US20040154056A1
; GENERAL INFORMATION:
; APPLICANT: Rogers, Elizabeth
; TITLE OF INVENTION: NOVEL MOLECULES OF THE MULTI-DRUG AND TOXIN
; FILE REFERENCE: DCI-111
; CURRENT APPLICATION NUMBER: US/10/672,282
; CURRENT FILING DATE: 2003-09-25
; PRIOR APPLICATION NUMBER: 60/280,621
; PRIOR FILING DATE: 2001-03-30
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 526
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-10-672-282-3

Query Match      37.5%; Score 6; DB 4; Length 526;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 KDPavi 15
Db      420 KDPavi 425

RESULT 35
US-10-739-930-6665
; Sequence 6665, Application US/10739930
; Publication No. US20040216190A1
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES AND OTHER MOLECULES ASSOCIATED WITH
; FILE REFERENCE: 38-21(53377)B
; CURRENT APPLICATION NUMBER: US/10/739,930
; CURRENT FILING DATE: 2003-12-18
; NUMBER OF SEQ ID NOS: 11088
; SEQ ID NO 6665
; LENGTH: 526
; TYPE: PRT
; ORGANISM: Homo sapiens
```

```
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
; FEATURE:
; OTHER INFORMATION: Clone ID: ARATH-23APR03-C6674_1.p
US-10-739-930-6665

Query Match      37.5%; Score 6; DB 5; Length 526;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 KDPavi 15
Db      420 KDPavi 425

RESULT 36
US-10-437-963-137331
; Sequence 137331, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 137331
; LENGTH: 641
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_38824C.1.p
US-10-437-963-137331

Query Match      37.5%; Score 6; DB 4; Length 641;
Best Local Similarity 100.0%; Pred. No. 2.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      11 DPAvir 16
Db      384 DPAvir 389

RESULT 37
US-10-450-763-58584
; Sequence 58584, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 58584
; LENGTH: 701
; TYPE: PRT
; ORGANISM: Homo sapiens
```

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; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (470)..(517)
; OTHER INFORMATION: Phosphoglycerate kinase proteins domain identified by
; OTHER INFORMATION: eMATRIX, accession number BL00111P, p-value=1.000e-40, raw score
; OTHER INFORMATION: 14.32
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (286)..(700)
; OTHER INFORMATION: Phosphoglycerate kinases domain identified by Pfam, accession
; OTHER INFORMATION: name PGK, E-value=9.2e-286, Pfam score of 962.7
US-10-450-763-58564

Query Match          37.5%; Score 6; DB 5; Length 701;
Best Local Similarity 100.0%; Pred. No. 3.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      8 EGDKPA 13
Db      35 EGDKPA 40
|||||

RESULT 38
US-10-437-963-185490
; Sequence 185490, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 185490
; LENGTH: 757
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_WRT4530_82381C.1.pep
US-10-437-963-185490

Query Match          37.5%; Score 6; DB 4; Length 757;
Best Local Similarity 100.0%; Pred. No. 3.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      4 DNCPEG 9
Db      79 DNCPEG 84
|||||

RESULT 39
US-10-408-765A-2285
; Sequence 2285, Application US/10408765A
; Publication No. US20040101874A1
; GENERAL INFORMATION:
; APPLICANT: Ghosh, Soumitra S.
; APPLICANT: Fahy, Eoin D.
; APPLICANT: Zhang, Bing
; APPLICANT: Gibson, Bradford W.
; APPLICANT: Taylor, Steven W.
; APPLICANT: Glenn, Gary M.
; APPLICANT: Watnock, Dale E.
; TITLE OF INVENTION: TARGETS FOR THERAPEUTIC INTERVENTION
; TITLE OF INVENTION: IDENTIFIED IN THE MITOCHONDRIAL PROTEOME
; FILE REFERENCE: 660085.465
```

```
; CURRENT APPLICATION NUMBER: US/10/408,765A
; CURRENT FILING DATE: 2003-04-04
; NUMBER OF SEQ ID NOS: 3077
; SOFTWARE: Fast-SEQ for Windows Version 4.0
; SEQ ID NO 2285
; LENGTH: 825
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-408-765A-2285

Query Match          37.5%; Score 6; DB 4; Length 825;
Best Local Similarity 100.0%; Pred. No. 3.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      8 EGDKPA 13
Db      84 EGDKPA 89
|||||

RESULT 40
US-10-623-813-7
; Sequence 7, Application US/10623813
; Publication No. US20040234997A1
; GENERAL INFORMATION:
; APPLICANT: Li, En
; APPLICANT: Okano, Masaki
; APPLICANT: Xie, Shaoping
; APPLICANT: Chen, Taiping
; TITLE OF INVENTION: De Novo DNA Cytosine Methyltransferase Genes, Polypeptides & Uses
; TITLE OF INVENTION: Thereof
; FILE REFERENCE: 0609.4560003
; CURRENT APPLICATION NUMBER: US/10/623,813
; CURRENT FILING DATE: 2003-07-22
; PRIOR APPLICATION NUMBER: US 09/720,086
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: PCT/US99/14373
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: US 60/090,906
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: US 60/093,993
; PRIOR FILING DATE: 1998-07-24
; NUMBER OF SEQ ID NOS: 119
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 7
; LENGTH: 912
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-623-813-7

Query Match          37.5%; Score 6; DB 5; Length 912;
Best Local Similarity 100.0%; Pred. No. 3.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 KDPAPI 15
Db      67 KDPAPI 72
|||||

RESULT 41
US-10-437-963-137333
; Sequence 137333, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
```

```
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 137333
; LENGTH: 958
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_38826C.1.pep
US-10-437-963-137333

Query Match          37.5%; Score 6; DB 4; Length 958;
Best Local Similarity 100.0%; Pred. No. 4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      11 DPAVIR 16
Db      591 DPAVIR 596
      |||||

RESULT 42
US-11-097-143-24354
; Sequence 24354, Application US/11097143
; Publication No. US20050208558A1
; GENERAL INFORMATION:
; APPLICANT: Venter, J. Craig
; APPLICANT: et al.
; TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID
; TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE
; TITLE OF INVENTION: DROSOPHILA GENES.
; FILE REFERENCE: CL000728
; CURRENT APPLICATION NUMBER: US/11/097,143
; CURRENT FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: 60/157,832
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: 60/160,191
; PRIOR FILING DATE: 1999-10-19
; PRIOR APPLICATION NUMBER: 60/161,932
; PRIOR FILING DATE: 1999-10-28
; PRIOR APPLICATION NUMBER: 60/164,769
; PRIOR FILING DATE: 1999-11-12
; PRIOR APPLICATION NUMBER: 60/173,383
; PRIOR FILING DATE: 1999-12-28
; PRIOR APPLICATION NUMBER: 60/175,693
; PRIOR FILING DATE: 2000-01-12
; PRIOR APPLICATION NUMBER: 60/184,831
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: 60/191,637
; PRIOR FILING DATE: 2000-03-23
; NUMBER OF SEQ ID NOS: 43008
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 24354
; LENGTH: 1001
; TYPE: PRT
; ORGANISM: DROSOPHILA
US-11-097-143-24354

Query Match          37.5%; Score 6; DB 6; Length 1001;
Best Local Similarity 100.0%; Pred. No. 4.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      7 FEGKDP 12
Db      587 FEGKDP 592
      |||||

RESULT 43
US-10-437-963-126411
; Sequence 126411, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
```

```
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 128411
; LENGTH: 1036
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_28960C.1.pep
US-10-437-963-126411

Query Match          37.5%; Score 6; DB 4; Length 1036;
Best Local Similarity 100.0%; Pred. No. 4.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      11 DPAVIR 16
Db      373 DPAVIR 378
      |||||

RESULT 44
US-10-437-963-137323
; Sequence 137323, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 137323
; LENGTH: 1179
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(1179)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_38817C.1.pep
US-10-437-963-137323

Query Match          37.5%; Score 6; DB 4; Length 1179;
Best Local Similarity 100.0%; Pred. No. 4.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      11 DPAVIR 16
Db      855 DPAVIR 860
      |||||

RESULT 45
US-10-437-963-126407
; Sequence 126407, Application US/10437963
```

Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 126407
; LENGTH: 1191
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_28957C.1.pep
US-10-437-963-126407

Query Match 37.5%; Score 6; DB 4; Length 1191;
Best Local Similarity 100.0%; Pred. No. 4.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 11 DPAVIR 16
Db 788 DPAVIR 793

RESULT 46

US-10-450-763-40235
; Sequence 40235, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hysq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CF3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 40235
; LENGTH: 1217
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (654)..(689)
; OTHER INFORMATION: CORE POLYPROTEIN PROTEIN GAG CONTAINS: P domain identified by
; OTHER INFORMATION: eMATRIX, accession number PD02059B, p-values=1.000e-09, raw score
; OTHER INFORMATION: of 24.48
US-10-450-763-40235

Query Match 37.5%; Score 6; DB 5; Length 1217;
Best Local Similarity 100.0%; Pred. No. 4.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 EGKDPA 13
Db 86 EGKDPA 91

RESULT 47

US-10-437-963-126375
; Sequence 126375, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 126375
; LENGTH: 1741
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_28928C.1.pep
US-10-437-963-126375

Query Match 37.5%; Score 6; DB 4; Length 1741;
Best Local Similarity 100.0%; Pred. No. 6.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 11 DPAVIR 16
Db 1326 DPAVIR 1331

RESULT 48

US-10-437-963-126488
; Sequence 126488, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 126488
; LENGTH: 2112
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_29029C.1.pep
US-10-437-963-126488

Query Match 37.5%; Score 6; DB 4; Length 2112;
Best Local Similarity 100.0%; Pred. No. 7.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 11 DPAVIR 16
Db 1750 DPAVIR 1755

RESULT 49

US-10-369-493-20151

; Sequence 20151, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; FILE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 20151
; LENGTH: 3250
; TYPE: PRT
; ORGANISM: No. US20030233675A1toc punctiforme
; NAME/KEY: unsure
; LOCATION: (1)..(3250)
; OTHER INFORMATION: unsure at all Xaa locations
US-10-369-493-20151

Query Match 37.5%; Score 6; DB 4; Length 3250;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 11 DPAVIR 16
Db 1264 DPAVIR 1269

RESULT 50
US-10-862-195-1240
; Sequence 1240, Application US/10862195
; Publication No. US20050164324A1
; GENERAL INFORMATION:
; APPLICANT: GYGI, STEVEN P.
; TITLE OF INVENTION: SYSTEMS, METHODS AND KITS FOR CHARACTERIZING PHOSPHOPROTEOMES
; FILE REFERENCE: 58890(70207)
; CURRENT APPLICATION NUMBER: US/10/862,195
; CURRENT FILING DATE: 2004-06-04
; PRIOR APPLICATION NUMBER: 60/476,010
; PRIOR FILING DATE: 2003-06-04
; NUMBER OF SEQ ID NOS: 2245
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1240
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: See specification as filed for preferred embodiments
; OTHER INFORMATION: And description of phosphorylation sites
US-10-862-195-1240

Query Match 31.2%; Score 5; DB 5; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.7e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 PAVIR 16
Db 5 PAVIR 9

RESULT 51
US-10-468-370-631
; Sequence 631, Application US/10468370
; Publication No. US20040082039A1
; GENERAL INFORMATION:
; APPLICANT: Gillies, Stephen

; APPLICANT: Carr, Francis J.
; APPLICANT: Jones, Tim
; APPLICANT: Carter, Graham
; APPLICANT: Hamilton, Anita
; APPLICANT: Williams, Stephen
; APPLICANT: Hanlon, Marian
; APPLICANT: Watkins, John
; APPLICANT: Baker, Matthew
; APPLICANT: Way, Jeffrey
; TITLE OF INVENTION: ARTIFICIAL PROTEINS WITH REDUCED
; FILE OF INVENTION: IMMUNOGENICITY
; FILE REFERENCE: MER-118
; CURRENT APPLICATION NUMBER: US/10/468,370
; CURRENT FILING DATE: 2003-08-19
; PRIOR APPLICATION NUMBER: EP 01103955.9
; PRIOR FILING DATE: 2001-02-19
; PRIOR APPLICATION NUMBER: EP 01108291.4
; PRIOR FILING DATE: 2001-04-05
; PRIOR APPLICATION NUMBER: PCT/EP02/01690
; PRIOR FILING DATE: 2002-02-18
; NUMBER OF SEQ ID NOS: 689
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 631
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: MHC class II binding epitope
US-10-468-370-631

Query Match 31.2%; Score 5; DB 4; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 KDPVAV 14
Db 8 KDPVAV 12

RESULT 52
US-10-468-370-632
; Sequence 632, Application US/10468370
; Publication No. US20040082039A1
; GENERAL INFORMATION:
; APPLICANT: Gillies, Stephen
; APPLICANT: Carr, Francis J.
; APPLICANT: Jones, Tim
; APPLICANT: Carter, Graham
; APPLICANT: Hamilton, Anita
; APPLICANT: Williams, Stephen
; APPLICANT: Hanlon, Marian
; APPLICANT: Watkins, John
; APPLICANT: Baker, Matthew
; APPLICANT: Way, Jeffrey
; TITLE OF INVENTION: ARTIFICIAL PROTEINS WITH REDUCED
; FILE OF INVENTION: IMMUNOGENICITY
; FILE REFERENCE: MER-118
; CURRENT APPLICATION NUMBER: US/10/468,370
; CURRENT FILING DATE: 2003-08-19
; PRIOR APPLICATION NUMBER: EP 01103955.9
; PRIOR FILING DATE: 2001-02-19
; PRIOR APPLICATION NUMBER: EP 01108291.4
; PRIOR FILING DATE: 2001-04-05
; PRIOR APPLICATION NUMBER: PCT/EP02/01690
; PRIOR FILING DATE: 2002-02-18
; NUMBER OF SEQ ID NOS: 689
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 632
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: MHC class II binding epitope

```

US-10-468-370-632

Query Match      31.2%; Score 5; DB 4; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 KDPV 14
DB      6 KDPV 10

RESULT 53
US-10-468-370-633
; Sequence 633, Application US/10468370
; Publication No. US20040082039A1
; GENERAL INFORMATION:
; APPLICANT: Gillies, Stephen
; APPLICANT: Carr, Francis J.
; APPLICANT: Jones, Tim
; APPLICANT: Carter, Graham
; APPLICANT: Hamilton, Anita
; APPLICANT: Williams, Stephen
; APPLICANT: Hanlon, Marian
; APPLICANT: Watkins, John
; APPLICANT: Baker, Matthew
; APPLICANT: Way, Jeffrey
; TITLE OF INVENTION: ARTIFICIAL PROTEINS WITH REDUCED
; FILE OF INVENTION: IMMUNOGENICITY
; FILE REFERENCE: MER-118
; CURRENT APPLICATION NUMBER: US/10/468,370
; CURRENT FILING DATE: 2003-08-19
; PRIOR APPLICATION NUMBER: EP 01103955.9
; PRIOR FILING DATE: 2001-02-19
; PRIOR APPLICATION NUMBER: EP 01108291.4
; PRIOR FILING DATE: 2001-04-05
; PRIOR APPLICATION NUMBER: PCT/EP02/01690
; PRIOR FILING DATE: 2002-02-18
; NUMBER OF SEQ ID NOS: 689
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 633
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: MHC class II binding epitope
US-10-468-370-634

Query Match      31.2%; Score 5; DB 4; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 KDPV 14
DB      4 KDPV 8

RESULT 55
US-10-468-496-587
; Sequence 587, Application US/10468496
; Publication No. US20040180386A1
; GENERAL INFORMATION:
; APPLICANT: Carr, Francis J.
; APPLICANT: Carter, Graham
; APPLICANT: Jones, Tim
; APPLICANT: Williams, Stephen
; APPLICANT: Hamilton, Anita
; TITLE OF INVENTION: METHOD FOR IDENTIFICATION OF T-CELL
; FILE OF INVENTION: EPITOPES AND USE FOR PREPARING MOLECULES WITH REDUCED
; FILE REFERENCE: MER-117
; CURRENT APPLICATION NUMBER: US/10/468,496
; CURRENT FILING DATE: 2003-09-25
; PRIOR APPLICATION NUMBER: 01103954.2
; PRIOR FILING DATE: 2001-02-19
; PRIOR APPLICATION NUMBER: 01105777.5
; PRIOR FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: 01106538.0
; PRIOR FILING DATE: 2001-03-15
; PRIOR APPLICATION NUMBER: 01106536.4
; PRIOR FILING DATE: 2001-03-15
; PRIOR APPLICATION NUMBER: 01107012.5
; PRIOR FILING DATE: 2001-03-20
; PRIOR APPLICATION NUMBER: 01106899.6
; PRIOR FILING DATE: 2001-03-20
; NUMBER OF SEQ ID NOS: 2036
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 587
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: MHC class II binding epitope
US-10-468-496-587

Query Match      31.2%; Score 5; DB 4; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 KDPV 14
DB      8 KDPV 12

US-10-468-370-633

Query Match      31.2%; Score 5; DB 4; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 KDPV 14
DB      6 KDPV 10

RESULT 54
US-10-468-370-634
; Sequence 634, Application US/10468370
; Publication No. US20040082039A1
; GENERAL INFORMATION:
; APPLICANT: Gillies, Stephen
; APPLICANT: Carr, Francis J.
; APPLICANT: Jones, Tim
; APPLICANT: Carter, Graham
; APPLICANT: Hamilton, Anita
; APPLICANT: Williams, Stephen
; APPLICANT: Hanlon, Marian
; APPLICANT: Watkins, John
; APPLICANT: Baker, Matthew
; APPLICANT: Way, Jeffrey
; TITLE OF INVENTION: ARTIFICIAL PROTEINS WITH REDUCED
; FILE OF INVENTION: IMMUNOGENICITY
; FILE REFERENCE: MER-118
; CURRENT APPLICATION NUMBER: US/10/468,370
; CURRENT FILING DATE: 2003-08-19
; PRIOR APPLICATION NUMBER: EP 01103955.9
; PRIOR FILING DATE: 2001-02-19
; PRIOR APPLICATION NUMBER: EP 01108291.4
; PRIOR FILING DATE: 2001-04-05
; PRIOR APPLICATION NUMBER: PCT/EP02/01690
; PRIOR FILING DATE: 2002-02-18
; NUMBER OF SEQ ID NOS: 689
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 633
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: MHC class II binding epitope
US-10-468-370-633

Query Match      31.2%; Score 5; DB 4; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 KDPV 14
DB      5 KDPV 9

RESULT 55
US-10-468-496-587
; Sequence 587, Application US/10468496
; Publication No. US20040180386A1
; GENERAL INFORMATION:
; APPLICANT: Carr, Francis J.
; APPLICANT: Carter, Graham
; APPLICANT: Jones, Tim
; APPLICANT: Williams, Stephen
; APPLICANT: Hamilton, Anita
; TITLE OF INVENTION: METHOD FOR IDENTIFICATION OF T-CELL
; FILE OF INVENTION: EPITOPES AND USE FOR PREPARING MOLECULES WITH REDUCED
; FILE REFERENCE: MER-117
; CURRENT APPLICATION NUMBER: US/10/468,496
; CURRENT FILING DATE: 2003-09-25
; PRIOR APPLICATION NUMBER: 01103954.2
; PRIOR FILING DATE: 2001-02-19
; PRIOR APPLICATION NUMBER: 01105777.5
; PRIOR FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: 01106538.0
; PRIOR FILING DATE: 2001-03-15
; PRIOR APPLICATION NUMBER: 01106536.4
; PRIOR FILING DATE: 2001-03-15
; PRIOR APPLICATION NUMBER: 01107012.5
; PRIOR FILING DATE: 2001-03-20
; PRIOR APPLICATION NUMBER: 01106899.6
; PRIOR FILING DATE: 2001-03-20
; NUMBER OF SEQ ID NOS: 2036
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 587
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: MHC class II binding epitope
US-10-468-496-587

Query Match      31.2%; Score 5; DB 4; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 KDPV 14
DB      8 KDPV 12

```

```
RESULT 56
US-10-468-496-588
; Sequence 588, Application US/10468496
; Publication No. US20040180386A1
; GENERAL INFORMATION:
; APPLICANT: Carr, Francis J.
; APPLICANT: Jones, Tim
; APPLICANT: Williams, Stephen
; APPLICANT: Hamilton, Anita
; APPLICANT: Williams, Stephen
; APPLICANT: Jones, Tim
; APPLICANT: Williams, Stephen
; APPLICANT: Hamilton, Anita
; TITLE OF INVENTION: METHOD FOR IDENTIFICATION OF T-CELL
; TITLE OF INVENTION: EPITOPES AND USE FOR PREPARING MOLECULES WITH REDUCED
; FILE REFERENCE: MER-117
; CURRENT APPLICATION NUMBER: US/10/468,496
; CURRENT FILING DATE: 2003-09-25
; PRIOR APPLICATION NUMBER: 01103954.2
; PRIOR FILING DATE: 2001-02-19
; PRIOR APPLICATION NUMBER: 01105777.5
; PRIOR FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: 01106538.0
; PRIOR FILING DATE: 2001-03-15
; PRIOR APPLICATION NUMBER: 01106536.4
; PRIOR FILING DATE: 2001-03-15
; PRIOR APPLICATION NUMBER: 01107012.5
; PRIOR FILING DATE: 2001-03-20
; PRIOR APPLICATION NUMBER: 01106899.6
; PRIOR FILING DATE: 2001-03-20
; NUMBER OF SEQ ID NOS: 2036
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 588
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: MHC class II binding epitope
US-10-468-496-588
Query Match 31.2%; Score 5; DB 4; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 KDPV 14
Db 6 KDPV 10

RESULT 57
US-10-468-496-589
; Sequence 589, Application US/10468496
; Publication No. US20040180386A1
; GENERAL INFORMATION:
; APPLICANT: Carr, Francis J.
; APPLICANT: Jones, Tim
; APPLICANT: Williams, Stephen
; APPLICANT: Hamilton, Anita
; APPLICANT: Williams, Stephen
; APPLICANT: Jones, Tim
; APPLICANT: Williams, Stephen
; APPLICANT: Hamilton, Anita
; TITLE OF INVENTION: METHOD FOR IDENTIFICATION OF T-CELL
; TITLE OF INVENTION: EPITOPES AND USE FOR PREPARING MOLECULES WITH REDUCED
; FILE REFERENCE: MER-117
; CURRENT APPLICATION NUMBER: US/10/468,496
; CURRENT FILING DATE: 2003-09-25
; PRIOR APPLICATION NUMBER: 01103954.2
; PRIOR FILING DATE: 2001-02-19
; PRIOR APPLICATION NUMBER: 01105777.5
; PRIOR FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: 01106538.0
; PRIOR FILING DATE: 2001-03-15
; PRIOR APPLICATION NUMBER: 01106536.4
; PRIOR FILING DATE: 2001-03-15
; PRIOR APPLICATION NUMBER: 01107012.5
; PRIOR FILING DATE: 2001-03-20
; PRIOR APPLICATION NUMBER: 01106899.6
; PRIOR FILING DATE: 2001-03-20
; NUMBER OF SEQ ID NOS: 2036
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 589
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: MHC class II binding epitope
US-10-468-496-589
Query Match 31.2%; Score 5; DB 4; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 KDPV 14
Db 6 KDPV 10
```

```
; PRIOR APPLICATION NUMBER: 01107012.5
; PRIOR FILING DATE: 2001-03-20
; PRIOR APPLICATION NUMBER: 01106899.6
; PRIOR FILING DATE: 2001-03-20
; NUMBER OF SEQ ID NOS: 2036
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 589
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: MHC class II binding epitope
US-10-468-496-589
Query Match 31.2%; Score 5; DB 4; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 KDPV 14
Db 5 KDPV 9

RESULT 58
US-10-468-496-590
; Sequence 590, Application US/10468496
; Publication No. US20040180386A1
; GENERAL INFORMATION:
; APPLICANT: Carr, Francis J.
; APPLICANT: Carter, Graham
; APPLICANT: Jones, Tim
; APPLICANT: Williams, Stephen
; APPLICANT: Hamilton, Anita
; TITLE OF INVENTION: METHOD FOR IDENTIFICATION OF T-CELL
; TITLE OF INVENTION: EPITOPES AND USE FOR PREPARING MOLECULES WITH REDUCED
; FILE REFERENCE: MER-117
; CURRENT APPLICATION NUMBER: US/10/468,496
; CURRENT FILING DATE: 2003-09-25
; PRIOR APPLICATION NUMBER: 01103954.2
; PRIOR FILING DATE: 2001-02-19
; PRIOR APPLICATION NUMBER: 01105777.5
; PRIOR FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: 01106538.0
; PRIOR FILING DATE: 2001-03-15
; PRIOR APPLICATION NUMBER: 01106536.4
; PRIOR FILING DATE: 2001-03-15
; PRIOR APPLICATION NUMBER: 01107012.5
; PRIOR FILING DATE: 2001-03-20
; PRIOR APPLICATION NUMBER: 01106899.6
; PRIOR FILING DATE: 2001-03-20
; NUMBER OF SEQ ID NOS: 2036
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 590
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: MHC class II binding epitope
US-10-468-496-590
Query Match 31.2%; Score 5; DB 4; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 KDPV 14
Db 4 KDPV 8

RESULT 59
US-09-864-761-43155
; Sequence 43155, Application US/09864761
```

Patent No. US20020048763A1
GENERAL INFORMATION:
APPLICANT: Penn, Sharron G.
APPLICANT: Rank, David R.
APPLICANT: Hanzel, David K.
APPLICANT: Chen, Wensheng
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
FILE REFERENCE: Aecmica-X-1
CURRENT APPLICATION NUMBER: US 09/864,761
CURRENT FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: US 60/180,312
PRIOR FILING DATE: 2000-02-04
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 09/632,366
PRIOR FILING DATE: 2000-08-03
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00662
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00661
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00670
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: US 60/234,687
PRIOR FILING DATE: 2000-09-21
PRIOR APPLICATION NUMBER: US 09/608,408
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: US 09/774,203
PRIOR FILING DATE: 2001-01-29
NUMBER OF SEQ ID NOS: 49117
SOFTWARE: Annonax Sequence Listing Engine vers. 1.1
SEQ ID NO 43155
LENGTH: 18
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: MAP TO AC009237.1
OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.73
OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 0.62
OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.95
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.74
OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.58
OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 0.66
OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.75
US-09-864-761-43155

Query Match 31.2%; Score 5; DB 3; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 PAVIR 16
Db 13 PAVIR 17

RESULT 60
US-10-862-698-52
Sequence 52, Application US/10862698
Publication No. US20040253701A1
GENERAL INFORMATION:
APPLICANT: Morin, Gregg B.
Allsopp, Richard
DePinho, Ronald
Greenberg, Roger
TITLE OF INVENTION: Mouse Telomerase Reverse Transcriptase
NUMBER OF SEQUENCES: 101
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/862,698
FILING DATE: 07-Jun-2004
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/042,460
FILING DATE: 16-MAR-1998
APPLICATION NUMBER: US 08/724,643
FILING DATE: 01-OCT-1996
APPLICATION NUMBER: US 08/844,419
FILING DATE: 18-APR-1997
APPLICATION NUMBER: US 08/846,017
FILING DATE: 25-APR-1997
APPLICATION NUMBER: US 08/851,843
FILING DATE: 06-MAY-1997
APPLICATION NUMBER: US 08/854,050
FILING DATE: 09-MAY-1997
APPLICATION NUMBER: US 08/911,312
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: US 08/912,951
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: US 08/915,503
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: WO PCT/US97/17618
FILING DATE: 01-OCT-1997
APPLICATION NUMBER: WO PCT/US97/17885
FILING DATE: 01-OCT-1997
APPLICATION NUMBER: US 08/974,549
FILING DATE: 19-NOV-1997
APPLICATION NUMBER: US 08/974,584
FILING DATE: 19-NOV-1997
APPLICATION NUMBER: US 08/979,742
FILING DATE: 26-NOV-1997
ATTORNEY/AGENT INFORMATION:
NAME: Einhorn, Gregory P.
REGISTRATION NUMBER: 38,440
REFERENCE/DOCKET NUMBER: 015389-003110US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 52:
SEQUENCE CHARACTERISTICS:
LENGTH: 25 amino acids
TYPE: amino acid
STRANDEDNESS: <Unknown>
TOPOLOGY: linear
MOLECULE TYPE: peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 52:
US-10-862-698-52

Query Match 31.2%; Score 5; DB 5; Length 25;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 PAVIR 16
Db 14 PAVIR 18
|||||

RESULT 61

US-09-843-676-155
; Sequence 155, Application US/09843676
; Patent No. US20020164786A1
; GENERAL INFORMATION:
; APPLICANT: Cech, Thomas R.
; Lingner, Joachim
; Nakamura, Toru
; Chapman, Karen B.
; Morin, Gregg B.
; Harley, Calvin
; Andrews, William H.
; TITLE OF INVENTION: No. US20020164786A1el Telomerase
; NUMBER OF SEQUENCES: 225
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: United States of America
; ZIP: 94111

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/843,676

FILING DATE: 26-Apr-2001
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/854,050

FILING DATE: 09-MAY-1997
APPLICATION NUMBER: US 08/846,017
FILING DATE: 25-APR-1997
APPLICATION NUMBER: US 08/844,419
FILING DATE: 18-APR-1997
APPLICATION NUMBER: US 08/724,643
FILING DATE: 01-OCT-1996

ATTORNEY/AGENT INFORMATION:

NAME: Apple, Randolph T.
REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 015389-002930US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300

INFORMATION FOR SEQ ID NO: 155:

SEQUENCE CHARACTERISTICS:
LENGTH: 30 amino acids
TYPE: amino acid
STRANDEDNESS: <Unknown>
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:

NAME/KEY: Peptide
LOCATION: 1..30
OTHER INFORMATION: /note="motif 0 peptide from
Schizosaccharomyces pombe tez1"
SEQUENCE DESCRIPTION: SEQ ID NO: 155:

US-09-843-676-155

Query Match 31.2%; Score 5; DB 3; Length 30;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 PAVIR 16
Db 14 PAVIR 18
|||||

RESULT 62

US-09-766-253-155
; Sequence 155, Application US/09766253
; Publication No. US20020187471A1
; GENERAL INFORMATION:
; APPLICANT: Cech, Thomas R.
; Lingner, Joachim
; Nakamura, Toru
; Chapman, Karen B.
; Morin, Gregg B.
; Harley, Calvin
; Andrews, William H.
; TITLE OF INVENTION: No. US20020187471A1el Telomerase
; NUMBER OF SEQUENCES: 171
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: United States of America
; ZIP: 94111

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/766,253

FILING DATE: 19-Jan-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/846,017

FILING DATE: 1997-04-25
APPLICATION NUMBER: US 08/724,643
FILING DATE: 01-OCT-1996
NAME: Apple, Randolph T.
REGISTRATION NUMBER: 36,429

REFERENCE/DOCKET NUMBER: 015389-002920US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 155:

SEQUENCE CHARACTERISTICS:
LENGTH: 30 amino acids
TYPE: amino acid
STRANDEDNESS: <Unknown>
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:

NAME/KEY: Peptide
LOCATION: 1..30
OTHER INFORMATION: /note="motif 0 peptide from
Schizosaccharomyces pombe tez1"
SEQUENCE DESCRIPTION: SEQ ID NO: 155:

US-09-766-253-155

Query Match 31.2%; Score 5; DB 3; Length 30;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 PAVIR 16
Db 7 PAVIR 11
|||||

RESULT 63

US-09-438-486-155
; Sequence 155, Application US/09438486
; Publication No. US20030009019A1
; GENERAL INFORMATION:
; APPLICANT: Cech, Thomas R.
; APPLICANT: Lingner, Joachim
; APPLICANT: Nakamura, Toru
; APPLICANT: Chapman, Karen B.
; APPLICANT: Morin, Gregg B.
; APPLICANT: Harley, Calvin
; APPLICANT: Andrews, William H.
; TITLE OF INVENTION: NO. US20030009019A1el Telomerase
; NUMBER OF SEQUENCES: 223
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: California
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/438,486
; FILING DATE: 12-NOV-1999
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/851,843
; FILING DATE: 06-MAY-1997
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/846,017
; FILING DATE: 25-APR-1997
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/844,419
; FILING DATE: 18-APR-1997
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/724,643
; FILING DATE: 01-OCT-1996
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Apple, Randolph T.
; REGISTRATION NUMBER: 36,429
; REFERENCE/DOCKET NUMBER: 015389-002931US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 155:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 30 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Peptide
; LOCATION: 1..30
; OTHER INFORMATION: /note= "motif 0 peptide from
; Schizosaccharomyces pombe tez1"
US-09-438-486-155

Query Match 31.2%; Score 5; DB 3; Length 30;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0;

Qy 12 PAVIR 16
Db 7 PAVIR 11

RESULT 64
US-10-053-758-155
; Sequence 155, Application US/10053758
; Publication No. US20030032075A1
; GENERAL INFORMATION:
; APPLICANT: Cech, Thomas R.
; APPLICANT: Lingner, Joachim
; APPLICANT: Nakamura, Toru
; APPLICANT: Chapman, Karen B.
; APPLICANT: Morin, Gregg B.
; APPLICANT: Harley, Calvin
; APPLICANT: Andrews, William H.
; TITLE OF INVENTION: NO. US20030032075A1el Telomerase
; NUMBER OF SEQUENCES: 225
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: United States of America
; ZIP: 94111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/053,758
; FILING DATE: 18-Jan-2002
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/854,050
; FILING DATE: 09-MAY-1997
; APPLICATION NUMBER: US 08/851,843
; FILING DATE: 06-MAY-1997
; APPLICATION NUMBER: US 08/846,017
; FILING DATE: 25-APR-1997
; APPLICATION NUMBER: US 08/844,419
; FILING DATE: 18-APR-1997
; APPLICATION NUMBER: US 08/724,643
; FILING DATE: 01-OCT-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Apple, Randolph T.
; REGISTRATION NUMBER: 36,429
; REFERENCE/DOCKET NUMBER: 015389-002930US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 155:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 30 amino acids
; TYPE: amino acid
; STRANDEDNESS: <Unknown>
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Peptide
; LOCATION: 1..30
; OTHER INFORMATION: /note= "motif 0 peptide from
; Schizosaccharomyces pombe tez1"
; SEQUENCE DESCRIPTION: SEQ ID NO: 155:
US-10-053-758-155

Query Match 31.2%; Score 5; DB 4; Length 30;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0;

Qy 12 PAVIR 16
Db 7 PAVIR 11

RESULT 65
US-10-054-295-155
; Sequence 155, Application US/10054295
; Publication No. US20030044953A1
; GENERAL INFORMATION:
; APPLICANT: Cech, Thomas R.
; Lingner, Joachim
; Nakamura, Toru
; Chapman, Karen B.
; Morin, Gregg B.
; Harley, Calvin
; Andrews, William H.
; TITLE OF INVENTION: No. US20030044953A1el Telomerase
; NUMBER OF SEQUENCES: 225
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: United States of America
; ZIP: 94111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/054,295
; FILING DATE: 18-Jan-2002
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/854,050
; FILING DATE: <Unknown>
; APPLICATION NUMBER: US 08/846,017
; FILING DATE: 25-APR-1997
; APPLICATION NUMBER: US 08/844,419
; FILING DATE: 18-APR-1997
; APPLICATION NUMBER: US 08/724,643
; FILING DATE: 01-OCT-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Apple, Randolph T.
; REGISTRATION NUMBER: 36,429
; REFERENCE/DOCKET NUMBER: 015389-002930US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 155:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 30 amino acids
; TYPE: amino acid
; STRANDEDNESS: <Unknown>
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Peptide
; LOCATION: 1..30
; OTHER INFORMATION: /note= "motif 0 peptide from
; Schizosaccharomyces pombe tez1"
; SEQUENCE DESCRIPTION: SEQ ID NO: 155:
US-10-054-295-155

Query Match 31.2%; Score 5; DB 4; Length 30;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0;

QY 12 PAVIR 16
|
|
|
|
DB 7 PAVIR 11

RESULT 66
US-10-054-611-155

; Sequence 155, Application US/10054611
; Publication No. US20030059787A1
; GENERAL INFORMATION:
; APPLICANT: Cech, Thomas R.
; Lingner, Joachim
; Nakamura, Toru
; Chapman, Karen B.
; Morin, Gregg B.
; Harley, Calvin
; Andrews, William H.
; TITLE OF INVENTION: No. US20030059787A1el Telomerase
; NUMBER OF SEQUENCES: 225
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: United States of America
; ZIP: 94111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/054,611
; FILING DATE: 18-Jan-2002
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/854,050
; FILING DATE: <Unknown>
; APPLICATION NUMBER: US 08/846,017
; FILING DATE: 25-APR-1997
; APPLICATION NUMBER: US 08/844,419
; FILING DATE: 18-APR-1997
; APPLICATION NUMBER: US 08/724,643
; FILING DATE: 01-OCT-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Apple, Randolph T.
; REGISTRATION NUMBER: 36,429
; REFERENCE/DOCKET NUMBER: 015389-002930US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 155:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 30 amino acids
; TYPE: amino acid
; STRANDEDNESS: <Unknown>
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Peptide
; LOCATION: 1..30
; OTHER INFORMATION: /note= "motif 0 peptide from
; Schizosaccharomyces pombe tez1"
; SEQUENCE DESCRIPTION: SEQ ID NO: 155:
US-10-054-611-155

Query Match 31.2%; Score 5; DB 4; Length 30;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0;

QY 12 PAVIR 16
|
|
|
|
DB 7 PAVIR 11

RESULT 67
US-10-325-810-275
; Sequence 275, Application US/10325810
; Publication No. US20030204069A1
; GENERAL INFORMATION:

APPLICANT: Cech, Thomas R.
Lingner, Joachim
Nakamura, Toru
Chapman, Karen B.
Morin, Gregg B.
Harley, Calvin B.
Andrews, William H.
TITLE OF INVENTION: Human Telomerase Catalytic Subunit
NUMBER OF SEQUENCES: 633
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/325,810
FILING DATE: 20-Dec-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/402,181
FILING DATE: 29-Sep-1997
APPLICATION NUMBER: US 08/724,643
FILING DATE: 01-OCT-1996
APPLICATION NUMBER: US 08/844,419
FILING DATE: 18-APR-1997
APPLICATION NUMBER: US 08/846,017
FILING DATE: 25-APR-1997
APPLICATION NUMBER: US 08/851,843
FILING DATE: 06-MAY-1997
APPLICATION NUMBER: US 08/854,050
FILING DATE: 09-MAY-1997
APPLICATION NUMBER: US 08/911,312
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: US 08/912,951
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: US 08/915,503
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: WO PCT/US97/17885
FILING DATE: 01-OCT-1997
ATTORNEY/AGENT INFORMATION:
NAME: Ausenhus, Scott L.
REGISTRATION NUMBER: 42,271
REFERENCE/DOCKET NUMBER: 015389-002620US
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 275:
SEQUENCE CHARACTERISTICS:
LENGTH: 30 amino acids
TYPE: amino acid
STRANDEDNESS: <Unknown>
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:
NAME/KEY: Peptide
LOCATION: 1..30
OTHER INFORMATION: /note= "motif 0 peptide from Schizosaccharomyces pombe tezl"
SEQUENCE DESCRIPTION: SEQ ID NO: 275:
US-10-325-810-275

Query Match 31.2%; Score 5; DB 4; Length 30;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 PAVIR 16

Db |||||
7 PAVIR 11
RESULT 68
US-10-124-275
Sequence 275, Application US/10877124
Publication No. US20040242529A1
GENERAL INFORMATION:
APPLICANT: Cech, Thomas R.
Lingner, Joachim
Nakamura, Toru
Chapman, Karen B.
Morin, Gregg B.
Harley, Calvin B.
Andrews, William H.
TITLE OF INVENTION: Human Telomerase Catalytic Subunit
NUMBER OF SEQUENCES: 727
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/877,124
FILING DATE: 24-Jun-2004
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/432,503
FILING DATE: 02-Nov-1999
APPLICATION NUMBER: 08/974,549
FILING DATE: <Unknown>
APPLICATION NUMBER: US 08/844,419
FILING DATE: 18-APR-1997
APPLICATION NUMBER: US 08/846,017
FILING DATE: 25-APR-1997
APPLICATION NUMBER: US 08/851,843
FILING DATE: 06-MAY-1997
APPLICATION NUMBER: US 08/854,050
FILING DATE: 09-MAY-1997
APPLICATION NUMBER: US 08/911,312
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: US 08/912,951
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: US 08/915,503
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: WO PCT/US97/17618
FILING DATE: 01-OCT-1997
APPLICATION NUMBER: WO PCT/US97/17885
FILING DATE: 01-OCT-1997
ATTORNEY/AGENT INFORMATION:
NAME: Apple, Randolph Ted
REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 015389-002610US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 275:
SEQUENCE CHARACTERISTICS:
LENGTH: 30 amino acids
TYPE: amino acid
STRANDEDNESS: <Unknown>
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:
NAME/KEY: Peptide


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;
; LOCATION: 1..30
; OTHER INFORMATION: /note= "motif 0 peptide from
; Schizosaccharomyces pombe tez1"
; SEQUENCE CHARACTERISTICS:
; SEQUENCE DESCRIPTION: SEQ ID NO: 275:
US-10-877-124-275

Query Match          31.2%; Score 5; DB 5; Length 30;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 PAVIR 16
Db       7 PAVIR 11

RESULT 69
US-10-877-022-275
; Sequence 275, Application US/10877022
; Publication No. US20040247613A1
; GENERAL INFORMATION:
; APPLICANT: Cech, Thomas R.
; Lingner, Joachim
; Nakamura, Toru
; Chapman, Karen B.
; Morin, Gregg B.
; Harley, Calvin B.
; Andrews, William H.
; TITLE OF INVENTION: Human Telomerase Catalytic Subunit
; NUMBER OF SEQUENCES: 727
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/877,022
; FILING DATE: 24-Jun-2004
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/432,503
; FILING DATE: 02-Nov-1999
; APPLICATION NUMBER: 08/974,549
; FILING DATE: <Unknown>
; APPLICATION NUMBER: US 08/844,419
; FILING DATE: 18-APR-1997
; APPLICATION NUMBER: US 08/846,017
; FILING DATE: 25-APR-1997
; APPLICATION NUMBER: US 08/851,843
; FILING DATE: 06-MAY-1997
; APPLICATION NUMBER: US 08/854,050
; FILING DATE: 09-MAY-1997
; APPLICATION NUMBER: US 08/911,312
; FILING DATE: 14-AUG-1997
; APPLICATION NUMBER: US 08/912,951
; FILING DATE: 14-AUG-1997
; APPLICATION NUMBER: US 08/915,503
; FILING DATE: 14-AUG-1997
; APPLICATION NUMBER: WO PCT/US97/17618
; FILING DATE: 01-OCT-1997
; APPLICATION NUMBER: WO PCT/US97/17885
; FILING DATE: 01-OCT-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Apple, Randolph Ted
; REGISTRATION NUMBER: 36,429
; REFERENCE/DOCKET NUMBER: 015389-002610US
; TELECOMMUNICATION INFORMATION:
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;
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 275:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 30 amino acids
; TYPE: amino acid
; STRANDEDNESS: <Unknown>
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Peptide
; LOCATION: 1..30
; OTHER INFORMATION: /note= "motif 0 peptide from
; Schizosaccharomyces pombe tez1"
; SEQUENCE DESCRIPTION: SEQ ID NO: 275:
US-10-877-022-275

Query Match          31.2%; Score 5; DB 5; Length 30;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 PAVIR 16
Db       7 PAVIR 11

RESULT 70
US-10-877-146-275
; Sequence 275, Application US/10877146
; Publication No. US20050013825A1
; GENERAL INFORMATION:
; APPLICANT: Cech, Thomas R.
; Lingner, Joachim
; Nakamura, Toru
; Chapman, Karen B.
; Morin, Gregg B.
; Harley, Calvin B.
; Andrews, William H.
; TITLE OF INVENTION: Human Telomerase Catalytic Subunit
; NUMBER OF SEQUENCES: 727
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/877,146
; FILING DATE: 24-Jun-2004
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/432,503
; FILING DATE: 02-Nov-1999
; APPLICATION NUMBER: 08/974,549
; FILING DATE: <Unknown>
; APPLICATION NUMBER: US 08/844,419
; FILING DATE: 18-APR-1997
; APPLICATION NUMBER: US 08/846,017
; FILING DATE: 25-APR-1997
; APPLICATION NUMBER: US 08/851,843
; FILING DATE: 06-MAY-1997
; APPLICATION NUMBER: US 08/854,050
; FILING DATE: 09-MAY-1997
; APPLICATION NUMBER: US 08/911,312
; FILING DATE: 14-AUG-1997
; APPLICATION NUMBER: US 08/912,951
; FILING DATE: 14-AUG-1997
```

; APPLICATION NUMBER: US 08/915,503
; FILING DATE: 14-AUG-1997
; APPLICATION NUMBER: WO PCT/US97/17618
; FILING DATE: 01-OCT-1997
; APPLICATION NUMBER: WO PCT/US97/17885
; FILING DATE: 01-OCT-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Apple, Randolph Ted
; REGISTRATION NUMBER: 36,429
; REFERENCE/DOCKET NUMBER: 015389-002610US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 275:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 30 amino acids
; TYPE: amino acid
; STRANDEDNESS: <Unknown>
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Peptide
; LOCATION: 1..30
; OTHER INFORMATION: /note= "motif 0 peptide from
; Schizosaccharomyces pombe tezi"
; SEQUENCE DESCRIPTION: SEQ ID NO: 275:
US-10-877-146-275

Query Match 31.2%; Score 5; DB 5; Length 30;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 PAVIR 16
Db 7 PAVIR 11

RESULT 71
US-10-424-599-194367
; Sequence 194367, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 194367
; LENGTH: 37
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_17540C.1.pep
US-10-424-599-194367

Query Match 31.2%; Score 5; DB 4; Length 37;
Best Local Similarity 100.0%; Pred. No. 3.1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 11 DPAVI 15
Db 17 DPAVI 21

RESULT 72
US-10-424-599-263917
; Sequence 263917, Application US/10424599
; Publication No. US20040031072A1

; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 263917
; LENGTH: 44
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_80336C.1.pep
US-10-424-599-263917

Query Match 31.2%; Score 5; DB 4; Length 44;
Best Local Similarity 100.0%; Pred. No. 3.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 EGKDP 12
Db 17 EGKDP 21

RESULT 73
US-10-425-115-324653
; Sequence 324653, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 324653
; LENGTH: 44
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_59155C.1.pep
US-10-425-115-324653

Query Match 31.2%; Score 5; DB 4; Length 44;
Best Local Similarity 100.0%; Pred. No. 3.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 CFECK 10
Db 38 CFECK 42

RESULT 74
US-10-767-701-52505
; Sequence 52505, Application US/10767701
; Publication No. US20040172684A1
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof For Plant Improvement
; FILE REFERENCE: 38-21(53535)B
; CURRENT APPLICATION NUMBER: US/10/767,701
; CURRENT FILING DATE: 2004-01-29

; NUMBER OF SEQ ID NOS: 63128
; SEQ ID NO 52505
; LENGTH: 45
; TYPE: PRT
; ORGANISM: Sorghum bicolor
; FEATURE:
; OTHER INFORMATION: Clone ID: 12501608.pep
US-10-767-701-52505

Query Match 31.2%; Score 5; DB 4; Length 45;
Best Local Similarity 100.0%; Pred. No. 3.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0;

QY 11 DPAVI 15
Db 19 DPAVI 23

RESULT 75
US-10-001-885-129
; Sequence 129, Application US/10001885
; Publication No. US20040058319A1
; GENERAL INFORMATION:
; APPLICANT: Salceda, Susana
; APPLICANT: Macina, Roberto
; APPLICANT: Recipon, Hervé
; APPLICANT: Cafferkey, Robert
; APPLICANT: Sun, Yongming
; APPLICANT: Liu, Chenghua

; TITLE OF INVENTION: Compositions and Methods Relating to Ovary Specific Genes and Pr
; FILE REFERENCE: DEX-0279
; CURRENT APPLICATION NUMBER: US/10/001,885
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 60/252,061
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: 60/253,257
; PRIOR FILING DATE: 2000-11-27
; NUMBER OF SEQ ID NOS: 167
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 129
; LENGTH: 46
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-001-885-129

Query Match 31.2%; Score 5; DB 4; Length 46;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0;

QY 8 EGKDP 12
Db 38 EGKDP 42

RESULT 76
US-10-425-115-339730
; Sequence 339730, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei

; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 339730
; LENGTH: 46
; TYPE: PRT
; ORGANISM: Zea mays

; FEATURE:
; OTHER INFORMATION: Clone ID: MFT4577_73003C.1.pep
US-10-425-115-339730

Query Match 31.2%; Score 5; DB 4; Length 46;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0;

QY 9 GKDPA 13
Db 35 GKDPA 39

RESULT 77
US-11-057-447-129
; Sequence 129, Application US/11057447
; Publication No. US20050181413A1
; GENERAL INFORMATION:
; APPLICANT: Salceda, Susana
; APPLICANT: Macina, Roberto
; APPLICANT: Recipon, Hervé
; APPLICANT: Cafferkey, Robert
; APPLICANT: Sun, Yongming
; APPLICANT: Liu, Chenghua

; TITLE OF INVENTION: Compositions and Methods Relating to Ovary Specific Genes and Pr
; FILE REFERENCE: DEX-0279
; CURRENT APPLICATION NUMBER: US/11/057,447
; CURRENT FILING DATE: 2005-02-14
; PRIOR APPLICATION NUMBER: US/10/001,885
; PRIOR FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 60/252,061
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: 60/253,257
; PRIOR FILING DATE: 2000-11-27
; NUMBER OF SEQ ID NOS: 167
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 129
; LENGTH: 46
; TYPE: PRT
; ORGANISM: Homo sapien
US-11-057-447-129

Query Match 31.2%; Score 5; DB 6; Length 46;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0;

QY 8 EGKDP 12
Db 38 EGKDP 42

RESULT 78
US-10-424-599-263118
; Sequence 263118, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei

; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 263118
; LENGTH: 50
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_79617C.1.p
US-10-424-599-263118

Query Match 31.2%; Score 5; DB 4; Length 50;
Best Local Similarity 100.0%; Pred. No. 4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 EGKDP 12
|
|
|
|
Db 20 EGKDP 24

RESULT 79

US-10-425-115-349779
; Sequence 349779, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 349779
; LENGTH: 50
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_82173C.1.pep
US-10-425-115-349779

Query Match 31.2%; Score 5; DB 4; Length 50;
Best Local Similarity 100.0%; Pred. No. 4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 11 DPAVI 15
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|
|
|
Db 34 DPAVI 38

RESULT 80

US-10-424-599-285105
; Sequence 285105, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 285105
; LENGTH: 51
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_99478C.1.pep
US-10-424-599-285105

Query Match 31.2%; Score 5; DB 4; Length 51;
Best Local Similarity 100.0%; Pred. No. 4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 11 DPAVI 15
|
|
|
|
Db 18 DPAVI 22

RESULT 81

US-10-044-692-25
; Sequence 25, Application US/10044692
; Publication No. US20030096344A1
; GENERAL INFORMATION:
; APPLICANT: Cech, Thomas R.
; APPLICANT: Lingner, Joachim
; APPLICANT: Nakamura, Toru
; APPLICANT: Chapman, Karen B.
; APPLICANT: Morin, Gregg B.
; APPLICANT: Harley, Calvin
; APPLICANT: Andrews, William H.
; TITLE OF INVENTION: HUMAN TELOMERASE CATALYTIC SUBUNIT: DIAGNOSTIC AND
; THERAPEUTIC METHODS
; NUMBER OF SEQUENCES: 335
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: United States of America
; ZIP: 94111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/044,692
; FILING DATE: 11-Jan-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/912,951
; FILING DATE: <Unknown>
; APPLICATION NUMBER: US 08/854,050
; FILING DATE: 09-MAY-1997
; APPLICATION NUMBER: US 08/851,843
; FILING DATE: 06-MAY-1997
; APPLICATION NUMBER: US 08/846,017
; FILING DATE: 25-APR-1997
; APPLICATION NUMBER: US 08/844,419
; FILING DATE: 18-APR-1997
; APPLICATION NUMBER: US 08/724,643
; FILING DATE: 01-OCT-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Apple, Randolph T.
; REGISTRATION NUMBER: 36,429
; REFERENCE/DOCKET NUMBER: 015389-002600US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 25:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 54 amino acids
; TYPE: amino acid
; STRANDEDNESS: <Unknown>
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Peptide
; LOCATION: 1..54
; OTHER INFORMATION: /note= "motif 1 and 2 peptide from
; Schizosaccharomyces pombe TRT tezip"
; SEQUENCE DESCRIPTION: SEQ ID NO: 25:
US-10-044-692-25

Query Match 31.2%; Score 5; DB 4; Length 54;
Best Local Similarity 100.0%; Pred. No. 4.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 PAVIR 16
|
|
|
|

Db 14 PAVIR 18

RESULT 82

US-10-044-539-25

; Sequence 25, Application US/10044539

; Publication No. US2003010093A1

GENERAL INFORMATION:

APPLICANT: Cech, Thomas R.

Lingner, Joachim

Nakamura, Toru

Chapman, Karen B.

Morin, Gregg B.

Harley, Calvin B.

Andrews, William H.

TITLE OF INVENTION: HUMAN TELOMERASE CATALYTIC SUBUNIT: DIAGNOSTIC AND THERAPEUTIC METHODS

NUMBER OF SEQUENCES: 335

CORRESPONDENCE ADDRESS:

ADDRESSEE: Townsend and Townsend and Crew LLP

STREET: Two Embarcadero Center, 8th Floor

CITY: San Francisco

STATE: California

COUNTRY: United States of America

ZIP: 94111

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/044,539

FILING DATE: 11-Jan-2002

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/912,951

FILING DATE: <Unknown>

APPLICATION NUMBER: US 08/854,050

FILING DATE: 09-MAY-1997

APPLICATION NUMBER: US 08/851,843

FILING DATE: 06-MAY-1997

APPLICATION NUMBER: US 08/846,017

FILING DATE: 25-APR-1997

APPLICATION NUMBER: US 08/844,419

FILING DATE: 18-APR-1997

APPLICATION NUMBER: US 08/724,643

FILING DATE: 01-OCT-1996

ATTORNEY/AGENT INFORMATION:

NAME: Apple, Randolph T.

REGISTRATION NUMBER: 36,429

REFERENCE/DOCKET NUMBER: 015389-002600US

TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 576-0200

TELEFAX: (415) 576-0300

INFORMATION FOR SEQ ID NO: 25:

SEQUENCE CHARACTERISTICS:

LENGTH: 54 amino acids

TYPE: amino acid

STRANDEDNESS: <Unknown>

TOPOLOGY: linear

MOLECULE TYPE: peptide

FEATURE:

NAME/KEY: Peptide

LOCATION: 1..54

OTHER INFORMATION: /note="motif 1 and 2 peptide from Schizosaccharomyces pombe TRT tezip"

SEQUENCE DESCRIPTION: SEQ ID NO: 25:

US-10-044-539-25

Query Match 31.2%; Score 5; DB 4; Length 54;

Best Local Similarity 100.0%; Pred. No. 4.2e+02;

Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 PAVIR 16

Db 14 PAVIR 18

RESULT 83

US-10-325-810-25

; Sequence 25, Application US/10325810

; Publication No. US20030204069A1

GENERAL INFORMATION:

APPLICANT: Cech, Thomas R.

Lingner, Joachim

Nakamura, Toru

Chapman, Karen B.

Morin, Gregg B.

Harley, Calvin B.

Andrews, William H.

TITLE OF INVENTION: Human Telomerase Catalytic Subunit

NUMBER OF SEQUENCES: 633

CORRESPONDENCE ADDRESS:

ADDRESSEE: Townsend and Townsend and Crew LLP

STREET: Two Embarcadero Center, Eighth Floor

CITY: San Francisco

STATE: California

COUNTRY: USA

ZIP: 94111-3834

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/325,810

FILING DATE: 20-Dec-2002

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/09/402,181

FILING DATE: 29-Sep-1997

APPLICATION NUMBER: US 08/724,643

FILING DATE: 01-OCT-1996

APPLICATION NUMBER: US 08/844,419

FILING DATE: 18-APR-1997

APPLICATION NUMBER: US 08/846,017

FILING DATE: 25-APR-1997

APPLICATION NUMBER: US 08/851,843

FILING DATE: 06-MAY-1997

APPLICATION NUMBER: US 08/854,050

FILING DATE: 09-MAY-1997

APPLICATION NUMBER: US 08/911,312

FILING DATE: 14-AUG-1997

APPLICATION NUMBER: US 08/912,951

FILING DATE: 14-AUG-1997

APPLICATION NUMBER: US 08/915,503

FILING DATE: 14-AUG-1997

APPLICATION NUMBER: WO PCT/US97/17885

FILING DATE: 01-OCT-1997

ATTORNEY/AGENT INFORMATION:

NAME: Ausenhus, Scott L.

REGISTRATION NUMBER: 42,271

REFERENCE/DOCKET NUMBER: 015389-002620US

TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 576-0200

TELEFAX: (415) 576-0300

INFORMATION FOR SEQ ID NO: 25:

SEQUENCE CHARACTERISTICS:

LENGTH: 54 amino acids

TYPE: amino acid

STRANDEDNESS: <Unknown>

TOPOLOGY: linear

MOLECULE TYPE: peptide

FEATURE:

NAME/KEY: Peptide

LOCATION: 1..54

; OTHER INFORMATION: /note= "motif 1 and 2 peptide from
; Schizosaccharomyces pombe TRT tezip"
; SEQUENCE DESCRIPTION: SEQ ID NO: 25:
US-10-325-810-25

Query Match 31.2%; Score 5; DB 4; Length 54;
Best Local Similarity 100.0%; Pred. No. 4.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 PAVIR 16
Db 14 PAVIR 18

RESULT 84

US-10-877-124-25
; Sequence 25, Application US/10877124
; Publication No. US20040242529A1
; GENERAL INFORMATION:
; APPLICANT: Cech, Thomas R.
; Lingner, Joachim
; Nakamura, Toru
; Chapman, Karen B.
; Morin, Gregg B.
; Harley, Calvin B.
; Andrews, William H.

TITLE OF INVENTION: Human Telomerase Catalytic Subunit
NUMBER OF SEQUENCES: 727
CORRESPONDENCE ADDRESS:

ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA

ZIP: 94111-3834

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/877,124
FILING DATE: 24-Jun-2004
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/09/432,503
FILING DATE: 02-Nov-1999
APPLICATION NUMBER: 08/974,549
FILING DATE: <Unknown>
APPLICATION NUMBER: US 08/844,419
FILING DATE: 18-APR-1997
APPLICATION NUMBER: US 08/846,017
FILING DATE: 25-APR-1997
APPLICATION NUMBER: US 08/851,843
FILING DATE: 06-MAY-1997
APPLICATION NUMBER: US 08/854,050
FILING DATE: 09-MAY-1997
APPLICATION NUMBER: US 08/911,312
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: US 08/912,951
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: US 08/915,503
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: WO PCT/US97/17618
FILING DATE: 01-OCT-1997
APPLICATION NUMBER: WO PCT/US97/17885
FILING DATE: 01-OCT-1997

ATTORNEY/AGENT INFORMATION:
NAME: Apple, Randolph Ted
REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 015389-002610US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200

; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 25:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 54 amino acids
; TYPE: amino acid
; STRANDEDNESS: <Unknown>
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:

; NAME/KEY: Peptide
; LOCATION: 1..54
; OTHER INFORMATION: /note= "motif 1 and 2 peptide from
; Schizosaccharomyces pombe TRT tezip"
; SEQUENCE DESCRIPTION: SEQ ID NO: 25:
US-10-877-124-25

Query Match 31.2%; Score 5; DB 5; Length 54;
Best Local Similarity 100.0%; Pred. No. 4.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 PAVIR 16
Db 14 PAVIR 18

RESULT 85

US-10-877-022-25
; Sequence 25, Application US/10877022
; Publication No. US20040247613A1
; GENERAL INFORMATION:
; APPLICANT: Cech, Thomas R.

; Lingner, Joachim
; Nakamura, Toru
; Chapman, Karen B.
; Morin, Gregg B.
; Harley, Calvin B.
; Andrews, William H.

TITLE OF INVENTION: Human Telomerase Catalytic Subunit
NUMBER OF SEQUENCES: 727
CORRESPONDENCE ADDRESS:

ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA

ZIP: 94111-3834

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/877,022
FILING DATE: 24-Jun-2004
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/09/432,503
FILING DATE: 02-Nov-1999
APPLICATION NUMBER: 08/974,549
FILING DATE: <Unknown>
APPLICATION NUMBER: US 08/844,419
FILING DATE: 18-APR-1997
APPLICATION NUMBER: US 08/846,017
FILING DATE: 25-APR-1997
APPLICATION NUMBER: US 08/851,843
FILING DATE: 06-MAY-1997
APPLICATION NUMBER: US 08/854,050
FILING DATE: 09-MAY-1997
APPLICATION NUMBER: US 08/911,312
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: US 08/912,951
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: US 08/915,503

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;
; FILING DATE: 14-AUG-1997
; APPLICATION NUMBER: WO PCT/US97/17618
; FILING DATE: 01-OCT-1997
; APPLICATION NUMBER: WO PCT/US97/17885
; FILING DATE: 01-OCT-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Apple, Randolph Ted
; REGISTRATION NUMBER: 36,429
; REFERENCE/DOCKET NUMBER: 015389-002610US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 25:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 54 amino acids
; TYPE: amino acid
; STRANDEDNESS: <Unknown>
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Peptide
; LOCATION: 1..54
; OTHER INFORMATION: /note= "motif 1 and 2 peptide from
; Schizosaccharomyces pombe TRT tezip"
; SEQUENCE DESCRIPTION: SEQ ID NO: 25:
US-10-877-022-25
Query Match 31.2%; Score 5; DB 5; Length 54;
Best Local Similarity 100.0%; Pred. No. 4.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 PAVIR 16
Db 14 PAVIR 18
|||||

RESULT 86
US-10-877-146-25
; Sequence 25, Application US/10877146
; Publication No. US20050013825A1
; GENERAL INFORMATION:
; APPLICANT: Cech, Thomas R.
; Lingner, Joachim
; Nakamura, Toru
; Chapman, Karen B.
; Morin, Gregg B.
; Harley, Calvin B.
; Andrews, William H.
; TITLE OF INVENTION: Human Telomerase Catalytic Subunit
; NUMBER OF SEQUENCES: 727
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/877,146
; FILING DATE: 24-Jun-2004
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/432,503
; FILING DATE: 02-Nov-1999
; APPLICATION NUMBER: 08/974,549
; FILING DATE: <Unknown>
; APPLICATION NUMBER: US 08/844,419
; FILING DATE: 18-APR-1997
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;
; APPLICATION NUMBER: US 08/846,017
; FILING DATE: 25-APR-1997
; APPLICATION NUMBER: US 08/851,843
; FILING DATE: 06-MAY-1997
; APPLICATION NUMBER: US 08/854,050
; FILING DATE: 09-MAY-1997
; APPLICATION NUMBER: US 08/911,312
; FILING DATE: 14-AUG-1997
; APPLICATION NUMBER: US 08/912,951
; FILING DATE: 14-AUG-1997
; APPLICATION NUMBER: US 08/915,503
; FILING DATE: 14-AUG-1997
; APPLICATION NUMBER: WO PCT/US97/17618
; FILING DATE: 01-OCT-1997
; APPLICATION NUMBER: WO PCT/US97/17885
; FILING DATE: 01-OCT-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Apple, Randolph Ted
; REGISTRATION NUMBER: 36,429
; REFERENCE/DOCKET NUMBER: 015389-002610US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 25:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 54 amino acids
; TYPE: amino acid
; STRANDEDNESS: <Unknown>
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Peptide
; LOCATION: 1..54
; OTHER INFORMATION: /note= "motif 1 and 2 peptide from
; Schizosaccharomyces pombe TRT tezip"
; SEQUENCE DESCRIPTION: SEQ ID NO: 25:
US-10-877-146-25
Query Match 31.2%; Score 5; DB 5; Length 54;
Best Local Similarity 100.0%; Pred. No. 4.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 PAVIR 16
Db 14 PAVIR 18
|||||

RESULT 87
US-10-424-599-196397
; Sequence 196397, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 196397
; LENGTH: 60
; TYPE: PPT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_19373C.1.pep
US-10-424-599-196397
Query Match 31.2%; Score 5; DB 4; Length 60;
Best Local Similarity 100.0%; Pred. No. 4.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy      9 GKDPA 13
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Db     25 GKDPA 29

RESULT 88
US-10-425-115-260655
; Sequence 260655, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kowalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 260655
; LENGTH: 61
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_169332C.1.pep
US-10-425-115-260655

Query Match      31.2%; Score 5; DB 4; Length 61;
Best Local Similarity 100.0%; Pred. No. 4.7e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 KDPV 14
      |||||
Db     39 KDPV 43

RESULT 89
US-10-112-944-446
; Sequence 446, Application US/10112944
; Publication No. US20040048249A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Yang, Yonghong
; APPLICANT: Weng, Gezhi
; APPLICANT: Zhang Jie
; APPLICANT: Ren, Feiyan
; APPLICANT: Xue, Aidong J.
; APPLICANT: Wang, Jian-Rui
; APPLICANT: Wehrman, Tom
; APPLICANT: Ghosh, Malabika
; APPLICANT: Wang, Dunrui
; APPLICANT: Zhao, Qing A.
; APPLICANT: Wang, Zhiwei
; TITLE OF INVENTION: No. US20040048249A1el Nucleic Acids and
; FILE REFERENCE: 805A
; CURRENT APPLICATION NUMBER: US/10/112,944
; CURRENT FILING DATE: 2002-03-28
; PRIOR APPLICATION NUMBER: US 09/488,725
; PRIOR FILING DATE: 2000-01-21
; PRIOR APPLICATION NUMBER: US 09/491,404
; PRIOR FILING DATE: 2000-01-25
; PRIOR APPLICATION NUMBER: US 09/496,914
; PRIOR FILING DATE: 2000-02-03
; PRIOR APPLICATION NUMBER: US 09/515,126
; PRIOR FILING DATE: 2000-02-28
; PRIOR APPLICATION NUMBER: US 09/519,705
; PRIOR FILING DATE: 2000-03-07
; PRIOR APPLICATION NUMBER: US 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: US 09/552,929

; PRIOR FILING DATE: 2000-04-18
; PRIOR APPLICATION NUMBER: US 09/577,408
; PRIOR FILING DATE: 2000-05-18
; NUMBER OF SEQ ID NOS: 924
; SOFTWARE: Pt_Fl_genes Version 5.0
; SEQ ID NO 446
; LENGTH: 62
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-112-944-446

Query Match      31.2%; Score 5; DB 4; Length 62;
Best Local Similarity 100.0%; Pred. No. 4.7e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      8 EGKDP 12
      |||||
Db     54 EGKDP 58

RESULT 90
US-10-370-715B-270
; Sequence 270, Application US/10370715B
; Publication No. US20040258678A1
; GENERAL INFORMATION:
; Patin Docket Preview
; APPLICANT: BODARY, SARAH C.
; APPLICANT: CLARK, HILLARY
; APPLICANT: BRISDELL, HUNTE
; APPLICANT: JACKMAN, JANET
; APPLICANT: SCHOENFELD, JILL R.
; APPLICANT: WILLIAMS, P. MICKEY
; APPLICANT: WOOD, WILLIAM I.
; APPLICANT: WU, THOMAS D.
; TITLE OF INVENTION: Compositions and Methods for the Treatment of Immune
; FILE REFERENCE: PI948R1-US
; CURRENT APPLICATION NUMBER: US/10/370,715B
; CURRENT FILING DATE: 2003-02-21
; NUMBER OF SEQ ID NOS: 742
; SEQ ID NO 270
; LENGTH: 62
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-370-715B-270

Query Match      31.2%; Score 5; DB 5; Length 62;
Best Local Similarity 100.0%; Pred. No. 4.7e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      8 EGKDP 12
      |||||
Db     54 EGKDP 58

RESULT 91
US-09-933-767-774
; Sequence 774, Application US/09933767
; Publication No. US20030181692A1
; GENERAL INFORMATION:
; APPLICANT: Ni et al.
; FILE REFERENCE: P2007P2
; CURRENT APPLICATION NUMBER: US/09/933,767
; CURRENT FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: PCT/US01/05614
; PRIOR FILING DATE: 2001-02-21
; PRIOR APPLICATION NUMBER: 60/184,836
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: 60/193,170
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: 09/205,258
; PRIOR FILING DATE: 1998-12-04
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; PRIOR APPLICATION NUMBER: PCT/US98/11422
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/048,885
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/049,375
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,881
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,880
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,896
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/049,020
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,876
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,895
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,884
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,894
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,971
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,964
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,882
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,899
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,893
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,900
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,901
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,892
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,915
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/049,019
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,970
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,972
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,916
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/049,373
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,875
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/049,374
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,917
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,949
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; PRIOR APPLICATION NUMBER: 60/048,974
; PRIOR FILING DATE: 1997-06-06
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; PRIOR FILING DATE: 1997-06-06
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; PRIOR FILING DATE: 1997-06-06
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; PRIOR APPLICATION NUMBER: 60/048,962
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; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,877
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,878

; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/068,054
; PRIOR FILING DATE: 1997-12-18
; PRIOR APPLICATION NUMBER: 60/068,064
; PRIOR FILING DATE: 1997-12-18
; PRIOR APPLICATION NUMBER: 60/068,053
; PRIOR FILING DATE: 1997-12-18
; PRIOR APPLICATION NUMBER: 60/070,923
; PRIOR FILING DATE: 1997-12-18
; PRIOR APPLICATION NUMBER: 60/073,160
; PRIOR FILING DATE: 1998-01-30
; PRIOR APPLICATION NUMBER: 60/073,159
; PRIOR FILING DATE: 1998-01-30
; PRIOR APPLICATION NUMBER: 60/073,165
; PRIOR FILING DATE: 1998-01-30
; PRIOR APPLICATION NUMBER: 60/073,164
; PRIOR FILING DATE: 1998-01-30
; PRIOR APPLICATION NUMBER: 60/085,925
; PRIOR FILING DATE: 1998-05-18
; PRIOR APPLICATION NUMBER: 60/085,921
; PRIOR FILING DATE: 1998-05-18
; PRIOR APPLICATION NUMBER: 60/085,923
; PRIOR FILING DATE: 1998-05-18
; PRIOR APPLICATION NUMBER: 60/085,922
; PRIOR FILING DATE: 1998-05-18
; PRIOR APPLICATION NUMBER: 60/092,921
; PRIOR FILING DATE: 1998-07-15
; PRIOR APPLICATION NUMBER: 60/094,657
; PRIOR FILING DATE: 1998-07-30
; NUMBER OF SEQ ID NOS: 1245
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 774
; LENGTH: 64
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-933-767-774
Query Match 31.2%; Score 5; DB 3; Length 64;
Best Local Similarity 100.0%; Pred.No. 4.9e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 9 GKDPA 13
| | | | |
Db 43 GKDPA 47
RESULT 92
US-10-004-860-774
; Sequence 774, Application US/10004860
; Publication No. US20030065160A1
; GENERAL INFORMATION:
; APPLICANT: Young et al.
; TITLE OF INVENTION: 207 Human Secreted Proteins
; FILE REFERENCE: P2007P1
; CURRENT APPLICATION NUMBER: US/10/004,860
; CURRENT FILING DATE: 2001-12-07
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 1227
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 774
; LENGTH: 64
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-004-860-774
Query Match 31.2%; Score 5; DB 4; Length 64;
Best Local Similarity 100.0%; Pred.No. 4.9e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 9 GKDPA 13
| | | | |
Db 43 GKDPA 47

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RESULT 93
US-10-023-282-774
; Sequence 774, Application US/10023282
; Publication No. US20030092893A1
; GENERAL INFORMATION:
; APPLICANT: Young et al.
; TITLE OF INVENTION: 207 Human Secreted Proteins
; FILE REFERENCE: P2007P1
; CURRENT APPLICATION NUMBER: US/10/023,282
; CURRENT FILING DATE: 2001-12-20
; EARLIER APPLICATION NUMBER: 09/205,258
; EARLIER FILING DATE: 1998-12-04
; EARLIER APPLICATION NUMBER: PCT/US98/11422
; EARLIER FILING DATE: 1998-06-04
; EARLIER APPLICATION NUMBER: 60/048,885
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,375
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; EARLIER APPLICATION NUMBER: 60/048,881
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; EARLIER APPLICATION NUMBER: 60/048,880
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; EARLIER APPLICATION NUMBER: 60/048,896
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,020
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,876
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,895
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; EARLIER FILING DATE: 1997-06-06
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; EARLIER APPLICATION NUMBER: 60/048,900
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,901
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,892
; EARLIER FILING DATE: 1997-06-06
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; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,019
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,970
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,972
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,916
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,373
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,875
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,374
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,917
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,949
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,974
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,974
; EARLIER FILING DATE: 1997-06-06
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; EARLIER APPLICATION NUMBER: 60/048,883
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,897
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,898
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,962
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,963
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,877
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,878
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/070,923
; EARLIER FILING DATE: 1997-12-18
; EARLIER APPLICATION NUMBER: 60/092,921
; EARLIER FILING DATE: 1998-07-15
; EARLIER APPLICATION NUMBER: 60/094,657
; EARLIER FILING DATE: 1998-07-30
; NUMBER OF SEQ ID NOS: 1227
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 774
; LENGTH: 64
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-023-282-774

Query Match 31.2%; Score 5; DB 4; Length 64;
Best Local Similarity 100.0%; Pred. No. 4.9e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 GKDPA 13
Db 43 GKOPA 47

RESULT 94
US-10-424-599-172408
; Sequence 172408, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 172408
; LENGTH: 66
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_126700C.1.pep
US-10-424-599-172408

Query Match 31.2%; Score 5; DB 4; Length 66;
Best Local Similarity 100.0%; Pred. No. 5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 FEGKD 11
Db 6 FEGKD 10

RESULT 95
US-10-424-599-267091
; Sequence 267091, Application US/10424599
; Publication No. US20040031072A1
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; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J
; APPLICANT: Kovalic, David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 267091
; LENGTH: 66
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_83203C.1.pep
US-10-424-599-267091

Query Match 31.2%; Score 5; DB 4; Length 66;
Best Local Similarity 100.0%; Pred. No. 5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 PAVIR 16
Db 26 PAVIR 30

RESULT 96
US-10-425-115-255161
; Sequence 255161, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 255161
; LENGTH: 67
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_164285C.1.pep
US-10-425-115-255161

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; Sequence 125238, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping

; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 125238
; LENGTH: 68
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)-(68)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_27901C.1.pep
US-10-437-963-125238

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Qy 6 CFEGK 10
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; Sequence 368281, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
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; LENGTH: 68
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; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_99043C.1.pep
US-10-425-115-368281

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; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With

; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 144047
; LENGTH: 73
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_44898C.1.pep
US-10-437-963-144047

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Db 37 DPAVI 41

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; Publication No. US2004020890A1
; GENERAL INFORMATION:
; APPLICANT: SUBTIL-SANDS, AGATHE
; APPLICANT: DAUTRY-VARSAT, ALICE
; TITLE OF INVENTION: SECRETED CHLAMYDIA POLYPEPTIDES, POLYNUCLEOTIDES CODING THEREFOR,
; FILE REFERENCE: 249179US0
; CURRENT APPLICATION NUMBER: US/10/784,880
; CURRENT FILING DATE: 2004-02-24
; PRIOR APPLICATION NUMBER: US 60/448,879
; PRIOR FILING DATE: 2003-02-24
; NUMBER OF SEQ ID NOS: 378
; SOFTWARE: PatentIn version 3.1
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; ORGANISM: Chlamydia pneumoniae
US-10-784-880-74

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Db 55 DPAVI 59

Search completed: February 15, 2006, 09:57:31
Job time : 22.0533 secs

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OM protein - protein search, using sw model

Run on: February 15, 2006, 09:52:55 ; Search time 1.84889 Seconds
(without alignments)
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Title: US-10-030-937-68

Perfect score: 16

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Gapop 60.0 , Gapext 60.0

Searched: 107799 seqs, 14211699 residues

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Minimum DB seq length: 0

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Post-processing: listing first 150 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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| 3 | 6 | 37.5 | 243 | US-10-506-443A-41 | Sequence 41, Appl |
| 4 | 6 | 37.5 | 252 | US-10-527-500-19 | Sequence 19, Appl |
| 5 | 5 | 31.2 | 201 | US-10-821-234-1609 | Sequence 1609, Ap |
| 6 | 5 | 31.2 | 243 | US-10-515-868-5 | Sequence 5, Appli |
| 7 | 5 | 31.2 | 283 | US-10-467-657-4890 | Sequence 4890, Ap |
| 8 | 5 | 31.2 | 284 | US-10-793-626-1426 | Sequence 1426, Ap |
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| 107 | 6 | 25.0 | 107 | US-10-771-257-76 | Sequence 76, Appl |
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112    4 25.0 112 7 US-11-098-686-11412 Sequence 11412, A
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144    4 25.0 158 6 US-10-508-263-44 Sequence 44, Appl
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146    4 25.0 163 7 US-11-194-246-398 Sequence 398, App
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ALIGNMENTS

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; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
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; SEQ ID NO 1162
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; ORGANISM: Homo sapiens
US-10-821-234-1162
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Best Local Similarity 100.0%; Pred.No. 0.0014;
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; Sequence 4, Application US/10515868
; Publication No. US20050282729A1
; GENERAL INFORMATION:
; APPLICANT: Hamilton, David W
; APPLICANT: Roberts, Kenneth P
; APPLICANT: Ensrud, Kathy M
; TITLE OF INVENTION: CRISP POLYPEPTIDES AS CONTRACEPTIVES AND INHIBITORS OF SPERM
CAPACITATION
; FILE REFERENCE: 110.01860101
; CURRENT APPLICATION NUMBER: US/10/515,868
; CURRENT FILING DATE: 2004-11-24
; PRIOR APPLICATION NUMBER: 60/383,628
; PRIOR FILING DATE: 2002-05-28
; PRIOR APPLICATION NUMBER: PCT/US03/16669
; PRIOR FILING DATE: 2003-05-28
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 4
; LENGTH: 243
; TYPE: PRT
; ORGANISM: HOMOSAPIEN
US-10-515-868-4
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Best Local Similarity 100.0%; Pred.No. 3.8;
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RESULT 3

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; Publication No. US20060013817A1
; GENERAL INFORMATION:
; APPLICANT: Sahin Dr., Ugur
; APPLICANT: Tureci Dr., Ozlem
; APPLICANT: Koslowski Dr., Michael
; TITLE OF INVENTION: Genetic Products Differentially Expressed in Tumors and Use There
; FILE REFERENCE: 342-3PCT
; CURRENT APPLICATION NUMBER: US/10/506,443A
; CURRENT FILING DATE: 2004-09-01
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 41
; LENGTH: 243
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-506-443A-41
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Query Match 37.5%; Score 6; DB 6; Length 243;
Best Local Similarity 100.0%; Pred.No. 3.8;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Best Local Similarity 100.0%; Pred. No. 42;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 EGKDP 13
Db 20 EGKDP 25

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; Sequence 19, Application US/10527500
; Publication No. US20060004186A1
; GENERAL INFORMATION:
; APPLICANT: THE GOVERNMENT OF THE UNITED STATES OF AMERICA AS
; REPRESENTED BY THE SECRETARY OF THE DEPARTMENT OF HEALTH AND
; HUMAN SERVICES
; APPLICANT: HUMAN SERVICES
; APPLICANT: Valenzuela, Jesus G.
; APPLICANT: Ribeiro, Jose M.C.
; APPLICANT: Kamhawi, Shaden
; APPLICANT: Belkaid, Yasmine
; APPLICANT: Fischer, Laurent Bernard
; APPLICANT: Audonnet, Jean-Cristophe
; APPLICANT: Milward, Francis William
; TITLE OF INVENTION: P. ARIASI POLYPEPTIDES AND P. PERNICIOSUS POLYPEPTIDES AND
; TITLE OF INVENTION: METHODS OF USE
; FILE REFERENCE: 4239-66903-02
; CURRENT APPLICATION NUMBER: US/10/527,500
; CURRENT FILING DATE: 2005-03-11
; PRIOR APPLICATION NUMBER: PCT/US2003/029833
; PRIOR FILING DATE: 2003-09-18
; PRIOR APPLICATION NUMBER: US 60/425,852
; PRIOR FILING DATE: 2002-11-12
; PRIOR APPLICATION NUMBER: US 60/412,327
; PRIOR FILING DATE: 2002-09-19
; NUMBER OF SEQ ID NOS: 87
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 19
; LENGTH: 252
; TYPE: PRT
; ORGANISM: Phlebotomus ariasi
US-10-527-500-19

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Best Local Similarity 100.0%; Pred. No. 3.9;
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QY 8 EGKDP 13
Db 38 EGKDP 43

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; Sequence 1609, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andaxmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pt_SEQ_genes Version 1.0
; SEQ ID NO 1609
; LENGTH: 201
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-821-234-1609

Query Match 31.2%; Score 5; DB 6; Length 201;
Best Local Similarity 100.0%; Pred. No. 57;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 GKDP 13
Db 123 GKDP 127

Best Local Similarity 100.0%; Pred. No. 42;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 FEGKD 11
Db 118 FEGKD 122

RESULT 6
US-10-515-868-5
; Sequence 5, Application US/10515868
; Publication No. US20050282729A1
; GENERAL INFORMATION:
; APPLICANT: Hamilton, David W
; APPLICANT: Roberts, Kenneth P
; APPLICANT: Ensrud, Kathy M
; TITLE OF INVENTION: CRISP POLYPEPTIDES AS CONTRACEPTIVES AND INHIBITORS OF SPERM
; TITLE OF INVENTION: CAPACITATION
; FILE REFERENCE: 110.01860101
; CURRENT APPLICATION NUMBER: US/10/515,868
; CURRENT FILING DATE: 2004-11-24
; PRIOR APPLICATION NUMBER: 60/383,628
; PRIOR FILING DATE: 2002-05-28
; PRIOR APPLICATION NUMBER: PCT/US03/16669
; PRIOR FILING DATE: 2003-05-28
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 5
; LENGTH: 243
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-10-515-868-5

Query Match 31.2%; Score 5; DB 6; Length 243;
Best Local Similarity 100.0%; Pred. No. 50;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 EGKDP 12
Db 21 EGKDP 25

RESULT 7
US-10-467-657-4890
; Sequence 4890, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SpA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWin99, version 1.04
; SEQ ID NO 4890
; LENGTH: 283
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-4890

Query Match 31.2%; Score 5; DB 6; Length 283;
Best Local Similarity 100.0%; Pred. No. 57;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

; APPLICANT: Andarmani, Susan
; APPLICANT: tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pt_seq_genes Version 1.0
; SEQ ID NO 1375
; LENGTH: 347
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-821-234-1379

Query Match      31.2%  Score 5;  DB 6;  Length 347;
Best Local Similarity 100.0%; Pred. No. 68;
Matches 5;  Conservative 0;  Mismatches 0;  Indels 0;  Gaps 0;

Qy      11 DPAVI 15
      |||||
Db      23 DPAVI 27

RESULT 11
US-10-517-939-248
; Sequence 248, Application US/10517939
; Publication No. US20060003433A1
; GENERAL INFORMATION:
; APPLICANT: Steer, Brian
; APPLICANT: Callen, Walter
; APPLICANT: Healey, Shaun
; APPLICANT: Hazlewood, Geoff
; APPLICANT: Wu, Di
; APPLICANT: Blum, David
; APPLICANT: Bateghalian, Alireza
; TITLE OF INVENTION: XYLANASES, NUCLEIC ACIDS ENCODING THEM
; TITLE OF INVENTION: AND METHODS FOR MAKING AND USING THEM
; FILE REFERENCE: 564462007901
; CURRENT APPLICATION NUMBER: US/10/517,939
; CURRENT FILING DATE: 2004-12-13
; PRIOR APPLICATION NUMBER: PCT/US03/19153
; PRIOR FILING DATE: 2003-06-16
; PRIOR APPLICATION NUMBER: 60/389,299
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 380
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 248
; LENGTH: 347
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Obtained from an environmental sample
US-10-517-939-248

Query Match      31.2%  Score 5;  DB 6;  Length 347;
Best Local Similarity 100.0%; Pred. No. 68;
Matches 5;  Conservative 0;  Mismatches 0;  Indels 0;  Gaps 0;

Qy      7 FEKGD 11
      |||||
Db      87 FEKGD 91

RESULT 12
US-10-674-767-4
; Sequence 4, Application US/10674767
; Publication No. US20050251875A1
; GENERAL INFORMATION:
; APPLICANT: Dellapenna, Dean
; APPLICANT: Shintani, David K.
; TITLE OF INVENTION: TRANSGENIC PLANTS WITH TOCOPHEROL

```



```
;
; METHYLTRANSFERASE
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Quarles & Brady
; STREET: 1 South Pinckney Street
; CITY: Madison
; STATE: WI
; COUNTRY: US
; ZIP: 53701-2113
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/674,767
; FILING DATE: 30-Sep-2003
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/118,637A
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Seay, Nicholas J.
; REGISTRATION NUMBER: 27386
; REFERENCE/DOCKET NUMBER: 920905.90024
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 608-251-5000
; TELEFAX: 608-251-9166
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 348 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FILE DESCRIPTION: SEQ ID NO: 4:
; US-10-674-767-4

Query Match 31.2%; Score 5; DB 6; Length 348;
Best Local Similarity 100.0%; Pred. No. 68;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 PAVIR 16
Db 296 PAVIR 300

RESULT 13
US-10-517-939-112
; Sequence 112, Application US/10517939
; Publication No. US20060003433A1
; GENERAL INFORMATION:
; APPLICANT: Steer, Brian
; APPLICANT: Callen, Walter
; APPLICANT: Healey, Shaun
; APPLICANT: Hazlewood, Geoff
; APPLICANT: Wu, Di
; APPLICANT: Blum, David
; APPLICANT: Esteghlalian, Alireza
; TITLE OF INVENTION: XYLANASES, NUCLEIC ACIDS ENCODING THEM
; TITLE OF INVENTION: AND METHODS FOR MAKING AND USING THEM
; FILE REFERENCE: 564462007901
; CURRENT APPLICATION NUMBER: US/10/517,939
; PRIOR FILING DATE: 2004-12-13
; PRIOR FILING DATE: 2003-06-16
; PRIOR FILING DATE: 2003-06-16
; PRIOR FILING DATE: 2003-06-16
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 380
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 112
; LENGTH: 362
; TYPE: PRT
; ORGANISM: Unknown
; OTHER INFORMATION: Obtained from an environmental sample
; FEATURE:
; NAME/KEY: SIGNAL
; LOCATION: (1)...(25)
; US-10-517-939-136

Query Match 31.2%; Score 5; DB 6; Length 389;
Best Local Similarity 100.0%; Pred. No. 75;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 FEGRD 11
Db 124 FEGRD 128

RESULT 15
US-11-087-100-20
; Sequence 20, Application US/11087100
; Publication No. US20050266440A1
; GENERAL INFORMATION:
; APPLICANT: Metz, James
; APPLICANT: Barclay, William
; APPLICANT: Flatt, James
; APPLICANT: Kurer, Jerry
; APPLICANT: Kurer, Jerry
; TITLE OF INVENTION: Nucleic Acid Molecule Encoding ORFA of a PUFA Polyketide Synthase
; TITLE OF INVENTION: System and Uses Thereof
; FILE REFERENCE: 2997-29
; CURRENT APPLICATION NUMBER: US/11/087,100
; CURRENT FILING DATE: 2005-03-21
; PRIOR APPLICATION NUMBER: 09/231,899
; PRIOR FILING DATE: 1999-01-14
; PRIOR APPLICATION NUMBER: 60/284,066
; OTHER INFORMATION: Obtained from an environmental sample
; FEATURE:
; NAME/KEY: SIGNAL
; LOCATION: (1)...(25)
; US-10-517-939-136
```

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;
; OTHER INFORMATION: Obtained from an environmental sample
; US-10-517-939-112

Query Match 31.2%; Score 5; DB 6; Length 362;
Best Local Similarity 100.0%; Pred. No. 70;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 GKDPA 13
Db 35 GKDPA 39

RESULT 14
US-10-517-939-136
; Sequence 136, Application US/10517939
; Publication No. US20060003433A1
; GENERAL INFORMATION:
; APPLICANT: Steer, Brian
; APPLICANT: Callen, Walter
; APPLICANT: Healey, Shaun
; APPLICANT: Hazlewood, Geoff
; APPLICANT: Wu, Di
; APPLICANT: Blum, David
; APPLICANT: Esteghlalian, Alireza
; TITLE OF INVENTION: XYLANASES, NUCLEIC ACIDS ENCODING THEM
; TITLE OF INVENTION: AND METHODS FOR MAKING AND USING THEM
; FILE REFERENCE: 564462007901
; CURRENT APPLICATION NUMBER: US/10/517,939
; PRIOR FILING DATE: 2004-12-13
; PRIOR APPLICATION NUMBER: PCT/US03/19153
; PRIOR FILING DATE: 2003-06-16
; PRIOR APPLICATION NUMBER: 60/389,299
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 380
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 136
; LENGTH: 389
; TYPE: PRT
; ORGANISM: Unknown
; OTHER INFORMATION: Obtained from an environmental sample
; FEATURE:
; NAME/KEY: SIGNAL
; LOCATION: (1)...(25)
; US-10-517-939-136

Query Match 31.2%; Score 5; DB 6; Length 389;
Best Local Similarity 100.0%; Pred. No. 75;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 FEGRD 11
Db 124 FEGRD 128

RESULT 15
US-11-087-100-20
; Sequence 20, Application US/11087100
; Publication No. US20050266440A1
; GENERAL INFORMATION:
; APPLICANT: Metz, James
; APPLICANT: Barclay, William
; APPLICANT: Flatt, James
; APPLICANT: Kurer, Jerry
; APPLICANT: Kurer, Jerry
; TITLE OF INVENTION: Nucleic Acid Molecule Encoding ORFA of a PUFA Polyketide Synthase
; TITLE OF INVENTION: System and Uses Thereof
; FILE REFERENCE: 2997-29
; CURRENT APPLICATION NUMBER: US/11/087,100
; CURRENT FILING DATE: 2005-03-21
; PRIOR APPLICATION NUMBER: 09/231,899
; PRIOR FILING DATE: 1999-01-14
; PRIOR APPLICATION NUMBER: 60/284,066
; OTHER INFORMATION: Obtained from an environmental sample
; FEATURE:
; NAME/KEY: SIGNAL
; LOCATION: (1)...(25)
; US-10-517-939-136
```

;
; PRIOR FILING DATE: 2001-04-16
; PRIOR APPLICATION NUMBER: 60/298,796
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/323,269
; PRIOR FILING DATE: 2001-09-18
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 20
; LENGTH: 450
; TYPE: PRT
; ORGANISM: Schizochytrium sp.
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (370)..(370)
; OTHER INFORMATION: The 'Xaa' at location 370 stands for Leu.
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (371)..(371)
; OTHER INFORMATION: The 'Xaa' at location 371 stands for Ala, or Val.
US-11-087-100-20

Query Match 31.2%; Score 5; DB 7; Length 450;
Best Local Similarity 100.0%; Pred. No. 85;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 CFEKG 10
Db 351 CFEKG 355
|||||

RESULT 16
US-11-087-100-28
; Sequence 28, Application US/11087100
; Publication No. US20050266440A1
; GENERAL INFORMATION:
; APPLICANT: Metz, James
; APPLICANT: Barclay, William
; APPLICANT: Flatt, James
; APPLICANT: Kuner, Jerry
; TITLE OF INVENTION: Nucleic Acid Molecule Encoding ORFA of a PUFA Polyketide Synthase
; FILE REFERENCE: 2997-29
; CURRENT APPLICATION NUMBER: US/11/087,100
; PRIOR FILING DATE: 2005-03-21
; PRIOR APPLICATION NUMBER: 09/231,899
; PRIOR FILING DATE: 1999-01-14
; PRIOR APPLICATION NUMBER: 60/284,066
; PRIOR FILING DATE: 2001-04-16
; PRIOR APPLICATION NUMBER: 60/298,796
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/323,269
; PRIOR FILING DATE: 2001-09-18
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 28
; LENGTH: 450
; TYPE: PRT
; ORGANISM: Schizochytrium sp.
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (370)..(370)
; OTHER INFORMATION: The 'Xaa' at location 370 stands for Leu.
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (371)..(371)
; OTHER INFORMATION: The 'Xaa' at location 371 stands for Ala, or Val.
US-11-087-100-28

Query Match 31.2%; Score 5; DB 7; Length 450;
Best Local Similarity 100.0%; Pred. No. 85;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 CFEKG 10
Db 351 CFEKG 355
|||||

Db 351 CFEKG 355
|||||

RESULT 17
US-11-087-084-20
; Sequence 20, Application US/11087084
; Publication No. US20050273883A1
; GENERAL INFORMATION:
; APPLICANT: Metz, James
; APPLICANT: Barclay, William
; APPLICANT: Flatt, James
; APPLICANT: Kuner, Jerry
; TITLE OF INVENTION: Nucleic Acid Molecule Encoding ORFA of a PUFA Polyketide Synthase
; FILE REFERENCE: 2997-29
; CURRENT APPLICATION NUMBER: US/11/087,084
; CURRENT FILING DATE: 2005-03-21
; PRIOR APPLICATION NUMBER: 09/231,899
; PRIOR FILING DATE: 1999-01-14
; PRIOR APPLICATION NUMBER: 60/284,066
; PRIOR FILING DATE: 2001-04-16
; PRIOR APPLICATION NUMBER: 60/298,796
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/323,269
; PRIOR FILING DATE: 2001-09-18
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 20
; LENGTH: 450
; TYPE: PRT
; ORGANISM: Schizochytrium sp.
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (370)..(370)
; OTHER INFORMATION: The 'Xaa' at location 370 stands for Leu.
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (371)..(371)
; OTHER INFORMATION: The 'Xaa' at location 371 stands for Ala, or Val.
US-11-087-084-20

Query Match 31.2%; Score 5; DB 7; Length 450;
Best Local Similarity 100.0%; Pred. No. 85;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 CFEKG 10
Db 351 CFEKG 355
|||||

RESULT 18
US-11-087-084-28
; Sequence 28, Application US/11087084
; Publication No. US20050273883A1
; GENERAL INFORMATION:
; APPLICANT: Metz, James
; APPLICANT: Barclay, William
; APPLICANT: Flatt, James
; APPLICANT: Kuner, Jerry
; TITLE OF INVENTION: Nucleic Acid Molecule Encoding ORFA of a PUFA Polyketide Synthase
; FILE REFERENCE: 2997-29
; CURRENT APPLICATION NUMBER: US/11/087,084
; CURRENT FILING DATE: 2005-03-21
; PRIOR APPLICATION NUMBER: 09/231,899
; PRIOR FILING DATE: 1999-01-14
; PRIOR APPLICATION NUMBER: 60/284,066
; PRIOR FILING DATE: 2001-04-16
; PRIOR APPLICATION NUMBER: 60/298,796
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/323,269
; PRIOR FILING DATE: 2001-09-18

NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 28
; LENGTH: 450
; TYPE: PRT
; ORGANISM: Schizochytrium sp.
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (370)..(370)
; OTHER INFORMATION: The 'Xaa' at location 370 stands for Leu.
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (371)..(371)
; OTHER INFORMATION: The 'Xaa' at location 371 stands for Ala, or Val.
US-11-087-084-28

Query Match 31.2%; Score 5; DB 7; Length 450;
Best Local Similarity 100.0%; Pred. No. 85;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 CFECK 10
|
|
|
|
Db 351 CFECK 355

RESULT 19

US-11-087-085-20
; Sequence 20, Application US/11087085
; Publication No. US20050273884A1
; GENERAL INFORMATION:
; APPLICANT: Metz, James
; APPLICANT: Barclay, William
; APPLICANT: Kuner, Jerry
; TITLE OF INVENTION: Nucleic Acid Molecule Encoding ORFA of a PUFA Polyketide Synthase
; FILE REFERENCE: 2997-29
; CURRENT APPLICATION NUMBER: US/11/087,085
; CURRENT FILING DATE: 2005-03-21
; PRIOR APPLICATION NUMBER: 09/231,899
; PRIOR FILING DATE: 1999-01-14
; PRIOR APPLICATION NUMBER: 60/284,066
; PRIOR FILING DATE: 2001-04-16
; PRIOR APPLICATION NUMBER: 60/298,796
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/323,269
; PRIOR FILING DATE: 2001-09-18
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 20
; LENGTH: 450
; TYPE: PRT
; ORGANISM: Schizochytrium sp.
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (370)..(370)
; OTHER INFORMATION: The 'Xaa' at location 370 stands for Leu.
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (371)..(371)
; OTHER INFORMATION: The 'Xaa' at location 371 stands for Ala, or Val.
US-11-087-085-20

Query Match 31.2%; Score 5; DB 7; Length 450;
Best Local Similarity 100.0%; Pred. No. 85;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 CFECK 10
|
|
|
|
Db 351 CFECK 355

RESULT 20

US-11-087-085-20

US-11-087-085-28
; Sequence 28, Application US/11087085
; Publication No. US20050273884A1
; GENERAL INFORMATION:
; APPLICANT: Metz, James
; APPLICANT: Barclay, William
; APPLICANT: Platt, James
; APPLICANT: Kuner, Jerry
; TITLE OF INVENTION: Nucleic Acid Molecule Encoding ORFA of a PUFA Polyketide Synthase
; FILE REFERENCE: 2997-29
; CURRENT APPLICATION NUMBER: US/11/087,085
; CURRENT FILING DATE: 2005-03-21
; PRIOR APPLICATION NUMBER: 09/231,899
; PRIOR FILING DATE: 1999-01-14
; PRIOR APPLICATION NUMBER: 60/284,066
; PRIOR FILING DATE: 2001-04-16
; PRIOR APPLICATION NUMBER: 60/298,796
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/323,269
; PRIOR FILING DATE: 2001-09-18
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 28
; LENGTH: 450
; TYPE: PRT
; ORGANISM: Schizochytrium sp.
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (370)..(370)
; OTHER INFORMATION: The 'Xaa' at location 370 stands for Leu.
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (371)..(371)
; OTHER INFORMATION: The 'Xaa' at location 371 stands for Ala, or Val.
US-11-087-085-28

Query Match 31.2%; Score 5; DB 7; Length 450;
Best Local Similarity 100.0%; Pred. No. 85;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 CFECK 10
|
|
|
|
Db 351 CFECK 355

RESULT 21
US-10-858-730-5
; Sequence 5, Application US/10858730
; Publication No. US20050255568A1
; GENERAL INFORMATION:
; APPLICANT: Bailey, Richard B.
; APPLICANT: Blomquist, Paul
; APPLICANT: Dofen, Reed
; APPLICANT: Driggers, Edward M.
; APPLICANT: Madden, Kevin T.
; APPLICANT: O'Leary, Jessica
; APPLICANT: O'Toole, George
; APPLICANT: Trueheart, Joshua
; APPLICANT: Walbridge, Michael J.
; APPLICANT: Yorgey, Peter S.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR AMINO ACID
; FILE REFERENCE: 14184-030001
; CURRENT APPLICATION NUMBER: US/10/858,730
; CURRENT FILING DATE: 2004-06-01
; PRIOR APPLICATION NUMBER: US 60/475,000
; PRIOR FILING DATE: 2003-05-30
; PRIOR APPLICATION NUMBER: US 60/551,860
; PRIOR FILING DATE: 2004-03-10
; NUMBER OF SEQ ID NOS: 364
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5

US-11-087-085-28
; Sequence 5, Application US/10858730
; Publication No. US20050255568A1
; GENERAL INFORMATION:
; APPLICANT: Bailey, Richard B.
; APPLICANT: Blomquist, Paul
; APPLICANT: Dofen, Reed
; APPLICANT: Driggers, Edward M.
; APPLICANT: Madden, Kevin T.
; APPLICANT: O'Leary, Jessica
; APPLICANT: O'Toole, George
; APPLICANT: Trueheart, Joshua
; APPLICANT: Walbridge, Michael J.
; APPLICANT: Yorgey, Peter S.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR AMINO ACID
; FILE REFERENCE: 14184-030001
; CURRENT APPLICATION NUMBER: US/10/858,730
; CURRENT FILING DATE: 2004-06-01
; PRIOR APPLICATION NUMBER: US 60/475,000
; PRIOR FILING DATE: 2003-05-30
; PRIOR APPLICATION NUMBER: US 60/551,860
; PRIOR FILING DATE: 2004-03-10
; NUMBER OF SEQ ID NOS: 364
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5

Query Match 31.2%; Score 5; DB 7; Length 450;
Best Local Similarity 100.0%; Pred. No. 85;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 CFECK 10
|
|
|
|
Db 351 CFECK 355

RESULT 21

US-10-858-730-5
; Sequence 5, Application US/10858730
; Publication No. US20050255568A1
; GENERAL INFORMATION:
; APPLICANT: Bailey, Richard B.
; APPLICANT: Blomquist, Paul
; APPLICANT: Dofen, Reed
; APPLICANT: Driggers, Edward M.
; APPLICANT: Madden, Kevin T.
; APPLICANT: O'Leary, Jessica
; APPLICANT: O'Toole, George
; APPLICANT: Trueheart, Joshua
; APPLICANT: Walbridge, Michael J.
; APPLICANT: Yorgey, Peter S.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR AMINO ACID
; FILE REFERENCE: 14184-030001
; CURRENT APPLICATION NUMBER: US/10/858,730
; CURRENT FILING DATE: 2004-06-01
; PRIOR APPLICATION NUMBER: US 60/475,000
; PRIOR FILING DATE: 2003-05-30
; PRIOR APPLICATION NUMBER: US 60/551,860
; PRIOR FILING DATE: 2004-03-10
; NUMBER OF SEQ ID NOS: 364
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5

US-11-087-085-28
; Sequence 5, Application US/10858730
; Publication No. US20050255568A1
; GENERAL INFORMATION:
; APPLICANT: Bailey, Richard B.
; APPLICANT: Blomquist, Paul
; APPLICANT: Dofen, Reed
; APPLICANT: Driggers, Edward M.
; APPLICANT: Madden, Kevin T.
; APPLICANT: O'Leary, Jessica
; APPLICANT: O'Toole, George
; APPLICANT: Trueheart, Joshua
; APPLICANT: Walbridge, Michael J.
; APPLICANT: Yorgey, Peter S.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR AMINO ACID
; FILE REFERENCE: 14184-030001
; CURRENT APPLICATION NUMBER: US/10/858,730
; CURRENT FILING DATE: 2004-06-01
; PRIOR APPLICATION NUMBER: US 60/475,000
; PRIOR FILING DATE: 2003-05-30
; PRIOR APPLICATION NUMBER: US 60/551,860
; PRIOR FILING DATE: 2004-03-10
; NUMBER OF SEQ ID NOS: 364
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5

Query Match 31.2%; Score 5; DB 7; Length 450;
Best Local Similarity 100.0%; Pred. No. 85;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 CFECK 10
|
|
|
|
Db 351 CFECK 355

RESULT 21

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; LENGTH: 454
; TYPE: PRT
; ORGANISM: Erwinia chrysanthemi
US-10-858-730-5

Query Match          31.2%; Score 5; DB 6; Length 454;
Best Local Similarity 100.0%; Pred. No. 85;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 PAVIR 16
Db 86 PAVIR 90
|||||

RESULT 22
US-10-467-657-1804
; Sequence 1804, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SpA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWin99, version 1.04
; SEQ ID NO 1804
; LENGTH: 492
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-1804

Query Match          31.2%; Score 5; DB 6; Length 492;
Best Local Similarity 100.0%; Pred. No. 91;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 KDPVAV 14
Db 475 KDPVAV 479
|||||

RESULT 23
US-10-506-448A-2
; Sequence 2, Application US/10506448A
; Publication No. US20060031965A1
; GENERAL INFORMATION:
; APPLICANT: Plantechno S.r.l.
; APPLICANT: Plantechno S.r.l.
; TITLE OF INVENTION: IN-SEED LYSOSOMAL ENZYMES
; FILE REFERENCE: BW266R/RVP/tmp
; CURRENT APPLICATION NUMBER: US/10/506,448A
; CURRENT FILING DATE: 2004-09-01
; PRIOR APPLICATION NUMBER: RM2002A000115
; PRIOR FILING DATE: 2002-01-03
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 516
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-506-448A-2

Query Match          31.2%; Score 5; DB 6; Length 516;
Best Local Similarity 100.0%; Pred. No. 95;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 KDPVAV 14
Db 512 KDPVAV 516
|||||

RESULT 24
US-11-183-205-24
; Sequence 24, Application US/11183205
; Publication No. US20060030521A1
; GENERAL INFORMATION:
; APPLICANT: Neose Technologies, Inc.
; APPLICANT: DeFrees, Shawn
; APPLICANT: Zopf, David
; APPLICANT: Bayer, Robert
; APPLICANT: Bower, Caryn
; APPLICANT: Hakes, David
; APPLICANT: Chen, Xi
; TITLE OF INVENTION: REMODELING AND GLYCOCONJUGATION OF PEPTIDES
; FILE REFERENCE: 040853-01-5052-US01
; CURRENT APPLICATION NUMBER: US/11/183,205
; CURRENT FILING DATE: 2005-07-15
; PRIOR APPLICATION NUMBER: US 11/183,205
; PRIOR FILING DATE: 2005-07-15
; PRIOR APPLICATION NUMBER: US 60/334,233
; PRIOR FILING DATE: 2001-11-28
; PRIOR APPLICATION NUMBER: US 60/334,301
; PRIOR FILING DATE: 2001-11-28
; PRIOR APPLICATION NUMBER: US 60/387,292
; PRIOR FILING DATE: 2002-06-07
; PRIOR APPLICATION NUMBER: US 60/391,777
; PRIOR FILING DATE: 2002-06-25
; PRIOR APPLICATION NUMBER: US 60/396,594
; PRIOR FILING DATE: 2002-07-17
; PRIOR APPLICATION NUMBER: US 60/404,249
; PRIOR FILING DATE: 2002-08-16
; PRIOR APPLICATION NUMBER: US 60/407,527
; PRIOR FILING DATE: 2002-08-28
; PRIOR APPLICATION NUMBER: PCT/US2002/032263
; PRIOR FILING DATE: 2002-10-09
; PRIOR APPLICATION NUMBER: US 10/287,994
; PRIOR FILING DATE: 2002-11-05
; NUMBER OF SEQ ID NOS: 62
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 24
; LENGTH: 536
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-183-205-24

Query Match          31.2%; Score 5; DB 7; Length 536;
Best Local Similarity 100.0%; Pred. No. 98;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 KDPVAV 14
Db 512 KDPVAV 516
|||||

RESULT 25
US-11-113-424-54
; Sequence 54, Application US/11113424
; Publication No. US20050260713A1
; GENERAL INFORMATION:
; APPLICANT: Gangolli et al.
; TITLE OF INVENTION: Polypeptides and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-225
; CURRENT APPLICATION NUMBER: US/11/113,424
; CURRENT FILING DATE: 2005-04-21
; PRIOR APPLICATION NUMBER: 60/256,704
; PRIOR FILING DATE: 2000-12-19
; PRIOR APPLICATION NUMBER: 60/311,590
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: 60/257,314
; PRIOR FILING DATE: 2000-12-20
```

; PRIOR APPLICATION NUMBER: 60/311,613
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: 60/315,617
; PRIOR FILING DATE: 2001-08-29
; PRIOR APPLICATION NUMBER: 60/307,506
; PRIOR FILING DATE: 2001-07-24
; PRIOR APPLICATION NUMBER: 60/322,358
; PRIOR FILING DATE: 2001-09-14
; PRIOR APPLICATION NUMBER: 60/294,075
; PRIOR FILING DATE: 2001-05-29
; PRIOR APPLICATION NUMBER: 60/288,153
; PRIOR FILING DATE: 2001-05-02
; NUMBER OF SEQ ID NOS: 190
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 54
; LENGTH: 1045
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-113-424-54

Query Match 31.2%; Score 5; DB 7; Length 1045;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 GKDPA 13
Db 722 GKDPA 726

RESULT 26
US-10-131-826A-358
; Sequence 358, Application US/10131826A
; Publication No. US20050245730A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C128
; CURRENT APPLICATION NUMBER: US/10/131,826A
; CURRENT FILING DATE: 2002-04-24
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352

; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 358
; LENGTH: 1049
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-131-826A-358

Query Match 31.2%; Score 5; DB 6; Length 1049;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 KDPV 14
Db 900 KDPV 904

RESULT 27
US-10-821-234-1097
; Sequence 1097, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pc_seq_genes Version 1.0
; SEQ ID NO 1097
; LENGTH: 1094
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-821-234-1097

Query Match 31.2%; Score 5; DB 6; Length 1094;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 GKDPA 13
Db 771 GKDPA 775

RESULT 28
US-11-087-100-4
; Sequence 4, Application US/11087100
; Publication No. US20050266440A1
; GENERAL INFORMATION:
; APPLICANT: Metz, James
; APPLICANT: Barclay, William
; APPLICANT: Flatt, James
; APPLICANT: Kuner, Jerry
; TITLE OF INVENTION: Nucleic Acid Molecule Encoding ORFA of a PUFA Polyketide Synthase
; FILE REFERENCE: 2997-29
; CURRENT APPLICATION NUMBER: US/11/087,100
; CURRENT FILING DATE: 2005-03-21
; PRIOR APPLICATION NUMBER: 09/231,899
; PRIOR FILING DATE: 1999-01-14
; PRIOR APPLICATION NUMBER: 60/284,066
; PRIOR FILING DATE: 2001-04-16
; PRIOR APPLICATION NUMBER: 60/298,796
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/323,269

Query Match 31.2%; Score 5; DB 6; Length 1094;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 GKDPA 13
Db 771 GKDPA 775

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; PRIOR FILING DATE: 2001-09-18
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 4
; LENGTH: 2059
; TYPE: PRT
; ORGANISM: Schizochytrium sp.
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (370)..(370)
; OTHER INFORMATION: The 'Xaa' at location 370 stands for Leu.
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (371)..(371)
; OTHER INFORMATION: The 'Xaa' at location 371 stands for Ala, or Val.
US-11-087-100-4

Query Match          31.2%; Score 5; DB 7; Length 2059;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      6 CFECK 10
Db      351 CFECK 355

RESULT 29
US-11-087-084-4
; Sequence 4, Application US/11087084
; Publication No. US20050273884A1
; GENERAL INFORMATION:
; APPLICANT: Metz, James
; APPLICANT: Barclay, William
; APPLICANT: Platt, James
; APPLICANT: Kuner, Jerry
; TITLE OF INVENTION: Nucleic Acid Molecule Encoding ORFA of a PUFA Polyketide Synthase
; FILE REFERENCE: 2997-29
; CURRENT APPLICATION NUMBER: US/11/087,084
; PRIOR FILING DATE: 2005-03-21
; PRIOR FILING DATE: 1999-01-14
; PRIOR FILING DATE: 2001-04-16
; PRIOR FILING DATE: 2001-06-15
; PRIOR FILING DATE: 2001-09-18
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 4
; LENGTH: 2059
; TYPE: PRT
; ORGANISM: Schizochytrium sp.
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (370)..(370)
; OTHER INFORMATION: The 'Xaa' at location 370 stands for Leu.
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (371)..(371)
; OTHER INFORMATION: The 'Xaa' at location 371 stands for Ala, or Val.
US-11-087-085-4

Query Match          31.2%; Score 5; DB 7; Length 2059;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      6 CFECK 10
Db      351 CFECK 355

RESULT 30
US-11-087-085-4
; Sequence 4, Application US/11087085
; Publication No. US20050273884A1
; GENERAL INFORMATION:
; APPLICANT: Metz, James
; APPLICANT: Barclay, William
; APPLICANT: Platt, James
; APPLICANT: Kuner, Jerry
; TITLE OF INVENTION: Nucleic Acid Molecule Encoding ORFA of a PUFA Polyketide Synthase
; FILE REFERENCE: 2997-29
; CURRENT APPLICATION NUMBER: US/11/087,085
; PRIOR FILING DATE: 2005-03-21
; PRIOR FILING DATE: 09/231,899
; PRIOR FILING DATE: 1999-01-14
; PRIOR FILING DATE: 2001-04-16
; PRIOR FILING DATE: 2001-06-15
; PRIOR FILING DATE: 2001-09-18
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 4
; LENGTH: 2059
; TYPE: PRT
; ORGANISM: Schizochytrium sp.
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (370)..(370)
; OTHER INFORMATION: The 'Xaa' at location 370 stands for Leu.
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (371)..(371)
; OTHER INFORMATION: The 'Xaa' at location 371 stands for Ala, or Val.
US-11-087-085-4

Query Match          31.2%; Score 5; DB 7; Length 2059;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      6 CFECK 10
Db      351 CFECK 355

RESULT 31
US-11-096-051-4
; Sequence 4, Application US/11096051
; Publication No. US20050244868A1
; GENERAL INFORMATION:
; APPLICANT: Kekuda, Ramesh
; APPLICANT: MacLachlan, Timothy K
; APPLICANT: Rastelli, Luca
; APPLICANT: Vernet, Corine
; APPLICANT: Ettenberg, Seth
; TITLE OF INVENTION: Ten-M3 Polypeptides and Polynucleotides and their Methods of Use
; FILE REFERENCE: Attorney Docket No. Cura 967
; CURRENT APPLICATION NUMBER: US/11/096,051
; PRIOR FILING DATE: 2005-03-30
; PRIOR FILING DATE: 10/038,854
; PRIOR FILING DATE: 2001-12-31
; PRIOR FILING DATE: 2003-06-04
; PRIOR FILING DATE: 2004-03-30
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: CuraSeqList version 0.1
; SEQ ID NO 4
; LENGTH: 2376
; TYPE: PRT
; ORGANISM: Homo sapiens
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; PRIOR FILING DATE: 2001-09-18
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 4
; LENGTH: 2059
; TYPE: PRT
; ORGANISM: Schizochytrium sp.
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (370)..(370)
; OTHER INFORMATION: The 'Xaa' at location 370 stands for Leu.
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (371)..(371)
; OTHER INFORMATION: The 'Xaa' at location 371 stands for Ala, or Val.
US-11-087-100-4

Query Match          31.2%; Score 5; DB 7; Length 2059;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      6 CFECK 10
Db      351 CFECK 355

RESULT 29
US-11-087-084-4
; Sequence 4, Application US/11087084
; Publication No. US20050273884A1
; GENERAL INFORMATION:
; APPLICANT: Metz, James
; APPLICANT: Barclay, William
; APPLICANT: Platt, James
; APPLICANT: Kuner, Jerry
; TITLE OF INVENTION: Nucleic Acid Molecule Encoding ORFA of a PUFA Polyketide Synthase
; FILE REFERENCE: 2997-29
; CURRENT APPLICATION NUMBER: US/11/087,084
; PRIOR FILING DATE: 2005-03-21
; PRIOR FILING DATE: 09/231,899
; PRIOR FILING DATE: 1999-01-14
; PRIOR FILING DATE: 2001-04-16
; PRIOR FILING DATE: 2001-06-15
; PRIOR FILING DATE: 2001-09-18
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 4
; LENGTH: 2059
; TYPE: PRT
; ORGANISM: Schizochytrium sp.
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (370)..(370)
; OTHER INFORMATION: The 'Xaa' at location 370 stands for Leu.
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (371)..(371)
; OTHER INFORMATION: The 'Xaa' at location 371 stands for Ala, or Val.
US-11-087-084-4

Query Match          31.2%; Score 5; DB 7; Length 2059;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      6 CFECK 10
Db      351 CFECK 355

RESULT 30
US-11-087-085-4
; Sequence 4, Application US/11087085
; Publication No. US20050273884A1
; GENERAL INFORMATION:
; APPLICANT: Metz, James
; APPLICANT: Barclay, William
; APPLICANT: Platt, James
; APPLICANT: Kuner, Jerry
; TITLE OF INVENTION: Nucleic Acid Molecule Encoding ORFA of a PUFA Polyketide Synthase
; FILE REFERENCE: 2997-29
; CURRENT APPLICATION NUMBER: US/11/087,085
; PRIOR FILING DATE: 2005-03-21
; PRIOR FILING DATE: 09/231,899
; PRIOR FILING DATE: 1999-01-14
; PRIOR FILING DATE: 2001-04-16
; PRIOR FILING DATE: 2001-06-15
; PRIOR FILING DATE: 2001-09-18
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 4
; LENGTH: 2059
; TYPE: PRT
; ORGANISM: Schizochytrium sp.
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (370)..(370)
; OTHER INFORMATION: The 'Xaa' at location 370 stands for Leu.
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (371)..(371)
; OTHER INFORMATION: The 'Xaa' at location 371 stands for Ala, or Val.
US-11-087-085-4

Query Match          31.2%; Score 5; DB 7; Length 2059;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      6 CFECK 10
Db      351 CFECK 355

RESULT 31
US-11-096-051-4
; Sequence 4, Application US/11096051
; Publication No. US20050244868A1
; GENERAL INFORMATION:
; APPLICANT: Kekuda, Ramesh
; APPLICANT: MacLachlan, Timothy K
; APPLICANT: Rastelli, Luca
; APPLICANT: Vernet, Corine
; APPLICANT: Ettenberg, Seth
; TITLE OF INVENTION: Ten-M3 Polypeptides and Polynucleotides and their Methods of Use
; FILE REFERENCE: Attorney Docket No. Cura 967
; CURRENT APPLICATION NUMBER: US/11/096,051
; PRIOR FILING DATE: 2005-03-30
; PRIOR FILING DATE: 10/038,854
; PRIOR FILING DATE: 2001-12-31
; PRIOR FILING DATE: 2003-06-04
; PRIOR FILING DATE: 2004-03-30
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: CuraSeqList version 0.1
; SEQ ID NO 4
; LENGTH: 2376
; TYPE: PRT
; ORGANISM: Homo sapiens
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US-11-096-051-4

Query Match 31.2%; Score 5; DB 7; Length 2376;
Best Local Similarity 100.0%; Pred. No. 3.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 GKDPA 13
|||||
Db 2053 GKDPA 2057

RESULT 32

US-11-096-051-2
; Sequence 2, Application US/11096051
; Publication No. US20050244868A1
; GENERAL INFORMATION:
; APPLICANT: Kekuda, Ramesh
; APPLICANT: MacLachlan, Timothy K
; APPLICANT: Rastelli, Luca
; APPLICANT: Vernet, Corine
; APPLICANT: Ettenberg, Seth
; TITLE OF INVENTION: Ten-M3 Polypeptides and Polynucleotides and their Methods of Use
; FILE REFERENCE: Attorney Docket No. Cura 967
; CURRENT APPLICATION NUMBER: US/11/096,051
; CURRENT FILING DATE: 2005-03-30
; PRIOR APPLICATION NUMBER: 10/038,854
; PRIOR FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: 10/455,772
; PRIOR FILING DATE: 2003-06-04
; PRIOR APPLICATION NUMBER: 60/557,978
; PRIOR FILING DATE: 2004-03-30
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: CuraseqList version 0.1
; SEQ ID NO 2
; LENGTH: 2715
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-096-051-2

Query Match 31.2%; Score 5; DB 7; Length 2715;
Best Local Similarity 100.0%; Pred. No. 4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 GKDPA 13
|||||
Db 2392 GKDPA 2396

RESULT 33

US-11-113-424-51
; Sequence 51, Application US/11113424
; Publication No. US20050260713A1
; GENERAL INFORMATION:
; APPLICANT: Gangolli et al.
; TITLE OF INVENTION: Polypeptides and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-225
; CURRENT APPLICATION NUMBER: US/11/113,424
; CURRENT FILING DATE: 2005-04-21
; PRIOR APPLICATION NUMBER: 60/256,704
; PRIOR FILING DATE: 2000-12-19
; PRIOR APPLICATION NUMBER: 60/311,590
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: 60/257,314
; PRIOR FILING DATE: 2000-12-20
; PRIOR APPLICATION NUMBER: 60/311,613
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: 60/315,617
; PRIOR FILING DATE: 2001-08-29
; PRIOR APPLICATION NUMBER: 60/307,506
; PRIOR FILING DATE: 2001-07-24
; PRIOR APPLICATION NUMBER: 60/322,358
; PRIOR FILING DATE: 2001-09-14
; PRIOR APPLICATION NUMBER: 60/294,075

; PRIOR FILING DATE: 2001-05-29
; PRIOR APPLICATION NUMBER: 60/288,153
; PRIOR FILING DATE: 2001-05-02
; NUMBER OF SEQ ID NOS: 190
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 51
; LENGTH: 2715
; TYPE: PRT
; ORGANISM: Mus musculus
US-11-113-424-51

Query Match 31.2%; Score 5; DB 7; Length 2715;
Best Local Similarity 100.0%; Pred. No. 4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 GKDPA 13
|||||
Db 2392 GKDPA 2396

RESULT 34

US-11-096-051-10
; Sequence 10, Application US/11096051
; Publication No. US20050244868A1
; GENERAL INFORMATION:
; APPLICANT: Kekuda, Ramesh
; APPLICANT: MacLachlan, Timothy K
; APPLICANT: Rastelli, Luca
; APPLICANT: Vernet, Corine
; APPLICANT: Ettenberg, Seth
; TITLE OF INVENTION: Ten-M3 Polypeptides and Polynucleotides and their Methods of Use
; FILE REFERENCE: Attorney Docket No. Cura 967
; CURRENT APPLICATION NUMBER: US/11/096,051
; CURRENT FILING DATE: 2005-03-30
; PRIOR APPLICATION NUMBER: 10/038,854
; PRIOR FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: 10/455,772
; PRIOR FILING DATE: 2003-06-04
; PRIOR APPLICATION NUMBER: 60/557,978
; PRIOR FILING DATE: 2004-03-30
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: CuraseqList version 0.1
; SEQ ID NO 10
; LENGTH: 2721
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-096-051-10

Query Match 31.2%; Score 5; DB 7; Length 2721;
Best Local Similarity 100.0%; Pred. No. 4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 GKDPA 13
|||||
Db 2398 GKDPA 2402

RESULT 35

US-11-096-051-8
; Sequence 8, Application US/11096051
; Publication No. US20050244868A1
; GENERAL INFORMATION:
; APPLICANT: Kekuda, Ramesh
; APPLICANT: MacLachlan, Timothy K
; APPLICANT: Rastelli, Luca
; APPLICANT: Vernet, Corine
; APPLICANT: Ettenberg, Seth
; TITLE OF INVENTION: Ten-M3 Polypeptides and Polynucleotides and their Methods of Use
; FILE REFERENCE: Attorney Docket No. Cura 967
; CURRENT APPLICATION NUMBER: US/11/096,051
; CURRENT FILING DATE: 2005-03-30
; PRIOR APPLICATION NUMBER: 10/038,854
; PRIOR FILING DATE: 2001-12-31

; PRIOR APPLICATION NUMBER: 10/455,772
; PRIOR FILING DATE: 2003-06-04
; PRIOR APPLICATION NUMBER: 60/557,978
; PRIOR FILING DATE: 2004-03-30
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: Curasequist version 0.1
; SEQ ID NO 8
; LENGTH: 2725
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-096-051-8

Query Match 31.2%; Score 5; DB 7; Length 2725;
Best Local Similarity 100.0%; Pred. No. 4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 GKDPA 13
Db 2402 GKDPA 2406

RESULT 36
US-11-032-773-272
; Sequence 272, Application US/11032773
; Publication No. US20060018911A1
; GENERAL INFORMATION:
; APPLICANT: Ault-Riche, Dana
; APPLICANT: Levy, Ronald
; TITLE OF INVENTION: DESIGN OF THERAPEUTICS AND THERAPEUTICS
; FILE REFERENCE: 17102-013001 / 1762
; CURRENT APPLICATION NUMBER: US/11/032,773
; CURRENT FILING DATE: 2005-01-11
; PRIOR APPLICATION NUMBER: 60/536,184
; PRIOR FILING DATE: 2004-01-12
; PRIOR APPLICATION NUMBER: 60/557,591
; PRIOR FILING DATE: 2004-03-29
; NUMBER OF SEQ ID NOS: 958
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 272
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic peptide
US-11-032-773-272

Query Match 25.0%; Score 4; DB 7; Length 6;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 FEKG 10
Db 3 FEKG 6

RESULT 37
US-10-116-788A-19
; Sequence 19, Application US/10116788A
; Publication No. US20060024804A9
; GENERAL INFORMATION:
; APPLICANT: McDonald, Thomas L.
; APPLICANT: Larson, Marilyn A.
; APPLICANT: Weber, Annika
; TITLE OF INVENTION: Genomic Mammary Amyloid A Sequence
; FILE REFERENCE: P04557US1
; CURRENT APPLICATION NUMBER: US/10/116,788A
; CURRENT FILING DATE: 2002-06-10
; PRIOR APPLICATION NUMBER: 09/425,679
; PRIOR FILING DATE: 1999-10-22
; PRIOR APPLICATION NUMBER: 60/218,482
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: 60/218,611
; PRIOR FILING DATE: 2000-07-17

; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 19
; LENGTH: 8
; TYPE: PRT
; ORGANISM: artificial sequence
; FEATURE:
; OTHER INFORMATION: carboxy terminal residues of colostrum SAA used to design primers
US-10-116-788A-19

Query Match 25.0%; Score 4; DB 6; Length 8;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 GKDP 12
Db 2 GKDP 5

RESULT 38
US-10-116-788A-26
; Sequence 26, Application US/10116788A
; Publication No. US20060024804A9
; GENERAL INFORMATION:
; APPLICANT: McDonald, Thomas L.
; APPLICANT: Larson, Marilyn A.
; APPLICANT: Weber, Annika
; TITLE OF INVENTION: Genomic Mammary Amyloid A Sequence
; FILE REFERENCE: P04557US1
; CURRENT APPLICATION NUMBER: US/10/116,788A
; CURRENT FILING DATE: 2002-06-10
; PRIOR APPLICATION NUMBER: 09/425,679
; PRIOR FILING DATE: 1999-10-22
; PRIOR APPLICATION NUMBER: 60/218,482
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: 60/218,611
; PRIOR FILING DATE: 2000-07-17
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 26
; LENGTH: 8
; TYPE: PRT
; ORGANISM: artificial sequence
; FEATURE:
; OTHER INFORMATION: sequence used to design SAA specific primer
US-10-116-788A-26

Query Match 25.0%; Score 4; DB 6; Length 8;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 GKDP 12
Db 2 GKDP 5

RESULT 39
US-10-510-101-81
; Sequence 81, Application US/10510101
; Publication No. US20060018915A1
; GENERAL INFORMATION:
; APPLICANT: Epimmune Inc.
; APPLICANT: Ishioka, Glenn
; APPLICANT: Fikes, John
; APPLICANT: Tangri, Shabnam
; APPLICANT: Sette, Alessandro
; TITLE OF INVENTION: Heteroclitic Analogs and Related Methods
; FILE REFERENCE: 2060.009PC05
; CURRENT APPLICATION NUMBER: US/10/510,101
; CURRENT FILING DATE: 2004-10-05
; PRIOR APPLICATION NUMBER: US 60/413,471
; PRIOR FILING DATE: 2002-09-26
; PRIOR APPLICATION NUMBER: US 10/116,118

; PRIOR FILING DATE: 2002-04-05
; NUMBER OF SEQ ID NOS: 196
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 81
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic peptide derived from Homo sapiens melanoma antigens
US-10-510-101-81

Query Match 25.0%; Score 4; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 FEGK 10
Db 6 FEGK 9

RESULT 40
US-10-510-101-85
; Sequence 85, Application US/10510101
; Publication No. US20060018915A1
; GENERAL INFORMATION:
; APPLICANT: Epimmune Inc.
; APPLICANT: Ishioka, Glenn
; APPLICANT: Fikes, John
; APPLICANT: Tangri, Shabnam
; APPLICANT: Sette, Alessandro
; TITLE OF INVENTION: Heteroclitic Analogs and Related Methods
; FILE REFERENCE: 2060.009PC05
; CURRENT APPLICATION NUMBER: US/10/510,101
; CURRENT FILING DATE: 2004-10-05
; PRIOR APPLICATION NUMBER: US 60/413,471
; PRIOR FILING DATE: 2002-09-26
; PRIOR APPLICATION NUMBER: US 10/116,118
; PRIOR FILING DATE: 2002-04-05
; NUMBER OF SEQ ID NOS: 196
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 85
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic peptide derived from Homo sapiens melanoma antigens
US-10-510-101-85

Query Match 25.0%; Score 4; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 FEGK 10
Db 6 FEGK 9

RESULT 41
US-11-073-347-67
; Sequence 67, Application US/11073347
; Publication No. US20050260234A1
; GENERAL INFORMATION:
; APPLICANT: SIMARD, John J. L.
; APPLICANT: DIAMOND, David C.
; TITLE OF INVENTION: ANTI-NEOVASCULATURE PREPARATIONS FOR
; TITLE OF INVENTION: CANCER
; FILE REFERENCE: MANK.015C1
; CURRENT APPLICATION NUMBER: US/11/073,347
; CURRENT FILING DATE: 2005-03-04
; PRIOR APPLICATION NUMBER: 10/094,699
; PRIOR FILING DATE: 2002-03-07
; PRIOR APPLICATION NUMBER: 60/274,063
; PRIOR FILING DATE: 2001-03-07

; NUMBER OF SEQ ID NOS: 159
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 67
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapien
US-11-073-347-67

Query Match 25.0%; Score 4; DB 7; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 FEGK 10
Db 3 FEGK 6

RESULT 42
US-11-073-347-68
; Sequence 68, Application US/11073347
; Publication No. US20050260234A1
; GENERAL INFORMATION:
; APPLICANT: SIMARD, John J. L.
; APPLICANT: DIAMOND, David C.
; TITLE OF INVENTION: ANTI-NEOVASCULATURE PREPARATIONS FOR
; TITLE OF INVENTION: CANCER
; FILE REFERENCE: MANK.015C1
; CURRENT APPLICATION NUMBER: US/11/073,347
; CURRENT FILING DATE: 2005-03-04
; PRIOR APPLICATION NUMBER: 10/094,699
; PRIOR FILING DATE: 2002-03-07
; PRIOR APPLICATION NUMBER: 60/274,063
; PRIOR FILING DATE: 2001-03-07
; NUMBER OF SEQ ID NOS: 159
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 68
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapien
US-11-073-347-68

Query Match 25.0%; Score 4; DB 7; Length 10;
Best Local Similarity 100.0%; Pred. No. 41;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 FEGK 10
Db 4 FEGK 7

RESULT 43
US-10-201-525-34
; Sequence 34, Application US/10201525
; Publication No. US20060009631A1
; GENERAL INFORMATION:
; APPLICANT: Board of Regents of the University of Oklahoma
; TITLE OF INVENTION: TYROSYLPROTEIN SULFOTRANSFERASES AND METHODS OF USE THEREOF
; FILE REFERENCE: 5827.005
; CURRENT APPLICATION NUMBER: US/10/201,525
; CURRENT FILING DATE: 2002-07-22
; PRIOR APPLICATION NUMBER: 09/785,343
; PRIOR FILING DATE: 2001-02-16
; PRIOR APPLICATION NUMBER: PCT/US99/16750
; PRIOR FILING DATE: 1999-07-23
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 34
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: HPC4 epitope
US-10-201-525-34

; PRIOR APPLICATION NUMBER: 60/422,891
; PRIOR FILING DATE: 2002-11-01
; PRIOR APPLICATION NUMBER: 60/387,570
; PRIOR FILING DATE: 2002-06-12
; PRIOR APPLICATION NUMBER: 60/379,419
; PRIOR FILING DATE: 2002-05-13
; PRIOR APPLICATION NUMBER: 60/371,704
; PRIOR FILING DATE: 2002-04-12
; NUMBER OF SEQ ID NOS: 158
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 23
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: synthesized
US-10-509-787A-23

Query Match 25.0%; Score 4; DB 6; Length 18;
Best Local Similarity 100.0%; Pred. No. 69;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 13 AVIR 16
Db 5 AVIR 8

RESULT 48

US-11-116-203-36
; Sequence 36, Application US/11116203
; Publication No. US20060024669A1
; GENERAL INFORMATION:

; APPLICANT: BOGOCH, SAMUEL
; APPLICANT: BOGOCH, ELEONORE S.
; TITLE OF INVENTION: SYSTEM AND METHOD FOR IDENTIFYING COMPLEX PATTERNS OF
; FILE REFERENCE: 09425/47002
; CURRENT APPLICATION NUMBER: US/11/116,203
; CURRENT FILING DATE: 2005-04-28
; PRIOR APPLICATION NUMBER: 60/653,083
; PRIOR FILING DATE: 2005-02-16
; PRIOR APPLICATION NUMBER: 60/565,847
; PRIOR FILING DATE: 2004-04-28
; PRIOR APPLICATION NUMBER: 10/860,050
; PRIOR FILING DATE: 2004-06-04
; PRIOR APPLICATION NUMBER: 10/189,437
; PRIOR FILING DATE: 2002-07-08
; PRIOR APPLICATION NUMBER: 10/105,232
; PRIOR FILING DATE: 2002-03-26
; NUMBER OF SEQ ID NOS: 108
; SOFTWARE: PatentIn Ver. 3.3
; SEQ ID NO 36

; LENGTH: 19
; TYPE: PRT
; ORGANISM: Influenza virus
US-11-116-203-36

Query Match 25.0%; Score 4; DB 7; Length 19;
Best Local Similarity 100.0%; Pred. No. 72;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 KDPA 13
Db 8 KDPA 11

RESULT 49

US-10-939-890-520
; Sequence 520, Application US/10939890
; Publication No. US20050250700A1
; GENERAL INFORMATION:

; APPLICANT: Sato, Aaron K.
; APPLICANT: Sexton, Daniel J.

; APPLICANT: Dransfield, Daniel T.
; APPLICANT: Ladner, Robert C.
; APPLICANT: Arbogast, Christophe
; APPLICANT: Busat, Philippe
; APPLICANT: Fan, Hong
; APPLICANT: Khurana, Sudha
; APPLICANT: Linder, Karen E.
; APPLICANT: Marinelli, Edmund R.
; APPLICANT: Nanjappan, Palaniappa
; APPLICANT: Nunn, Adrian D.
; APPLICANT: Pillai, Radhakrishna
; APPLICANT: Pochon, Sibylle
; APPLICANT: Ramalingam, Kondareddiar
; APPLICANT: Shrivastava, Ajay
; APPLICANT: Song, Bo
; APPLICANT: Swenson, Rolf E.
; APPLICANT: Von Wronski, Mathew A.
; TITLE OF INVENTION: KDR AND VEGF/KDR BINDING PEPTIDES
; FILE REFERENCE: D0617.70014US00
; CURRENT APPLICATION NUMBER: US/10/939,890
; CURRENT FILING DATE: 2004-09-13
; PRIOR APPLICATION NUMBER: US 10/661,156
; PRIOR FILING DATE: 2003-09-11
; PRIOR APPLICATION NUMBER: US 10/382,082
; PRIOR FILING DATE: 2003-03-03
; PRIOR APPLICATION NUMBER: PCT/US03/06731
; PRIOR FILING DATE: 2003-03-03
; PRIOR APPLICATION NUMBER: US 60/440,411
; PRIOR FILING DATE: 2003-01-15
; PRIOR APPLICATION NUMBER: US 60/360,851
; PRIOR FILING DATE: 2002-03-01
; NUMBER OF SEQ ID NOS: 883
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 520
; LENGTH: 21
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Library Isolate
US-10-939-890-520

Query Match 25.0%; Score 4; DB 6; Length 21;
Best Local Similarity 100.0%; Pred. No. 78;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 CFEG 9
Db 6 CFEG 9

RESULT 50

US-11-170-653-4
; Sequence 4, Application US/11170653
; Publication No. US20050271769A1
; GENERAL INFORMATION:

; APPLICANT: Danisco A/S
; APPLICANT: Sorensen, Jens
; TITLE OF INVENTION: Xylanase Variants Having Altered Sensitivity to Xylanase Inhibitor
; FILE REFERENCE: 674509-2046
; CURRENT APPLICATION NUMBER: US/11/170,653
; CURRENT FILING DATE: 2005-06-23
; PRIOR APPLICATION NUMBER: US/10/237,386
; PRIOR FILING DATE: 2002-09-09
; PRIOR APPLICATION NUMBER: PCT/IB01/00426
; PRIOR FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: GB 0005585.5
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: GB 0015751.1
; PRIOR FILING DATE: 2000-06-27
; NUMBER OF SEQ ID NOS: 66
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4

; LENGTH: 21
; TYPE: PRT
; ORGANISM: Wheat
US-11-170-653-4

Query Match 25.0%; Score 4; DB 7; Length 21;
Best Local Similarity 100.0%; Pred. No. 78;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 KDPA 13
Db 9 KDPA 12

RESULT 51

US-11-166-412-205
; Sequence 205, Application US/11166412
; Publication No. US20060014231A1
; GENERAL INFORMATION:
; APPLICANT: Van Rompaey, Luc
; APPLICANT: Tomme, Peter H. M.
; TITLE OF INVENTION: Methods and Compositions To Promote Bone Homeostasis
; FILE REFERENCE: P27,927-D USA
; CURRENT APPLICATION NUMBER: US/11/166,412
; CURRENT FILING DATE: 2005-06-24
; PRIOR APPLICATION NUMBER: 60/582,704
; PRIOR FILING DATE: 2004-06-24
; PRIOR APPLICATION NUMBER: 60/630,449
; PRIOR FILING DATE: 2004-11-23
; PRIOR APPLICATION NUMBER: 60/673,206
; PRIOR FILING DATE: 2005-04-20
; NUMBER OF SEQ ID NOS: 231
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 205
; LENGTH: 23
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Protein domain fragment
US-11-166-412-205

Query Match 25.0%; Score 4; DB 7; Length 23;
Best Local Similarity 100.0%; Pred. No. 85;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 13 AVIR 16
Db 19 AVIR 22

RESULT 52

US-11-098-674-6
; Sequence 6, Application US/11098674
; Publication No. US20050267029A1
; GENERAL INFORMATION:
; APPLICANT: Ancsin, John B.
; APPLICANT: Elimova, Elena
; APPLICANT: Kisilevsky, Robert
; TITLE OF INVENTION: Compounds which Modulate Amyloidogenesis and Methods for Their
; FILE REFERENCE: PTQ-0066
; CURRENT APPLICATION NUMBER: US/11/098,674
; CURRENT FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: US 60/559,122
; PRIOR FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
; LENGTH: 27
; TYPE: PRT
; ORGANISM: Mus musculus
US-11-098-674-6

Query Match 25.0%; Score 4; DB 7; Length 27;
Best Local Similarity 100.0%; Pred. No. 97;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 GKDP 12
Db 12 GKDP 15

RESULT 53

US-11-098-674-9
; Sequence 9, Application US/11098674
; Publication No. US20050267029A1
; GENERAL INFORMATION:
; APPLICANT: Ancsin, John B.
; APPLICANT: Elimova, Elena
; APPLICANT: Kisilevsky, Robert
; TITLE OF INVENTION: Compounds which Modulate Amyloidogenesis and Methods for Their
; FILE REFERENCE: PTQ-0066
; CURRENT APPLICATION NUMBER: US/11/098,674
; CURRENT FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: US 60/559,122
; PRIOR FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 9
; LENGTH: 27
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-098-674-9

Query Match 25.0%; Score 4; DB 7; Length 27;
Best Local Similarity 100.0%; Pred. No. 97;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 GKDP 12
Db 12 GKDP 15

RESULT 54

US-11-098-674-20
; Sequence 20, Application US/11098674
; Publication No. US20050267029A1
; GENERAL INFORMATION:
; APPLICANT: Ancsin, John B.
; APPLICANT: Elimova, Elena
; APPLICANT: Kisilevsky, Robert
; TITLE OF INVENTION: Compounds which Modulate Amyloidogenesis and Methods for Their
; FILE REFERENCE: PTQ-0066
; CURRENT APPLICATION NUMBER: US/11/098,674
; CURRENT FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: US 60/559,122
; PRIOR FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 20
; LENGTH: 27
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-11-098-674-20

Query Match 25.0%; Score 4; DB 7; Length 27;
Best Local Similarity 100.0%; Pred. No. 97;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 GKDP 12
Db 12 GKDP 15

```
RESULT 55
US-11-110-274-317
; Sequence 317, Application US/11110274
; Publication No. US20050266502A1
; GENERAL INFORMATION:
; APPLICANT: Merchiers, Pascal G.
; APPLICANT: Hoffmann, Marcel
; APPLICANT: Spittaels, Koenraad F. F.
; TITLE OF INVENTION: Methods, Compositions and Compound Assays for Inhibiting
; FILE OF INVENTION: Amyloid-Beta Protein Production
; FILE REFERENCE: P27,697-A USA
; CURRENT APPLICATION NUMBER: US/11/110,274
; CURRENT FILING DATE: 2003-04-20
; PRIOR APPLICATION NUMBER: US 60/563,661
; PRIOR FILING DATE: 2004-04-20
; NUMBER OF SEQ ID NOS: 620
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 317
; LENGTH: 32
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-110-274-317

Query Match      25.0%; Score 4; DB 7; Length 32;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      11 DPAV 14
Db      7 DPAV 10
      ||||
      ||||

RESULT 56
US-10-467-657-6192
; Sequence 6192, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SpA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWin99, version 1.04
; SEQ ID NO 6192
; LENGTH: 33
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-6192

Query Match      25.0%; Score 4; DB 6; Length 33;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      13 AVIR 16
Db      9 AVIR 12
      ||||
      ||||

RESULT 57
US-11-129-861-8
; Sequence 8, Application US/11129861
; Publication No. US20060031956A1
; GENERAL INFORMATION:
; APPLICANT: Kurachi, Kotoku
```

```
; APPLICANT: Kurachi, Sumiko
; TITLE OF INVENTION: Nucleotide Sequences for Gene Regulation and Methods of
; FILE OF INVENTION: Use Thereof
; FILE REFERENCE: UM-03603
; CURRENT APPLICATION NUMBER: US/11/129,861
; CURRENT FILING DATE: 2005-05-16
; PRIOR APPLICATION NUMBER: US/09/328,925
; PRIOR FILING DATE: 1999-06-09
; NUMBER OF SEQ ID NOS: 84
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 8
; LENGTH: 38
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-129-861-8

Query Match      25.0%; Score 4; DB 7; Length 38;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      7 FEGK 10
Db      31 FEGK 34
      ||||
      ||||

RESULT 58
US-10-916-827-11
; Sequence 11, Application US/10916827
; Publication No. US20050287540A1
; GENERAL INFORMATION:
; APPLICANT: The Government of the United States Of America as represented by the
; APPLICANT: Department Of Human Services
; APPLICANT: Murphy, Brian R.
; APPLICANT: Collins, Peter L.
; APPLICANT: Durbin, Anna P.
; APPLICANT: Skiadopoulos, Mario
; TITLE OF INVENTION: Production Of Attenuated Negative Stranded RNA Virus Vaccines Pr
; FILE OF INVENTION: Nucleotide Sequences
; FILE REFERENCE: NIH-0208
; CURRENT APPLICATION NUMBER: US/10/916,827
; CURRENT FILING DATE: 2004-08-11
; PRIOR APPLICATION NUMBER: 60/129,006
; PRIOR FILING DATE: 1999-04-13
; PRIOR APPLICATION NUMBER: PCT/US00/09,695
; PRIOR FILING DATE: 2000-04-12
; NUMBER OF SEQ ID NOS: 53
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 11
; LENGTH: 41
; TYPE: PRT
; ORGANISM: Sendai virus
US-10-916-827-11

Query Match      25.0%; Score 4; DB 6; Length 41;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      11 DPAV 14
Db      33 DPAV 36
      ||||
      ||||

RESULT 59
US-10-467-657-1600
; Sequence 1600, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SpA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
```

FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWin99, version 1.04
; SEQ ID NO 1600
; LENGTH: 54
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-1600

Query Match 25.0%; Score 4; DB 6; Length 54;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0;

Qy 13 AVIR 16
|
|
|
|
Db 20 AVIR 23

RESULT 60
US-11-000-463-781
; Sequence 781, Application US/11/000,463
; Publication No. US20050266423A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Chen, Rui-hong
; APPLICANT: Qian, Xiaohong B.
; APPLICANT: Wang, Zhiwei
; APPLICANT: Wehrman, Tom
; APPLICANT: Zhang, Jie
; APPLICANT: Zhou, Ping
; APPLICANT: Cao, Yi-Cheng
; APPLICANT: Drmanac, Radjoe T.
; TITLE OF INVENTION: Novel Nucleic Acids and Polypeptides
; FILE REFERENCE: 785CIP4CN
; CURRENT APPLICATION NUMBER: US/11/000,463
; CURRENT FILING DATE: 2004-11-29
; PRIOR APPLICATION NUMBER: 10/291,265
; PRIOR FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: PCT/US01/02623
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 09/922,279
; PRIOR FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: 09/491,404
; PRIOR FILING DATE: 2000-01-25
; PRIOR APPLICATION NUMBER: 09/617,746
; PRIOR FILING DATE: 2000-07-17
; PRIOR APPLICATION NUMBER: 09/631,451
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: 09/633,870
; PRIOR FILING DATE: 2000-09-15
; NUMBER OF SEQ ID NOS: 944
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 781
; LENGTH: 68
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-000-463-781

Query Match 25.0%; Score 4; DB 7; Length 68;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0;

Qy 13 AVIR 16
|
|
|
|
Db 34 AVIR 37

RESULT 61

US-09-978-360A-578
; Sequence 578, Application US/09978360A
; Publication No. US20060009633A9
; GENERAL INFORMATION:
; APPLICANT: Edwards, Jean-Baptiste Dumas Milne
; APPLICANT: Duclert, Aymeric
; APPLICANT: Bougueleret, Lydie
; APPLICANT: Jobert, Severin
; APPLICANT: Clusel, Catherine
; TITLE OF INVENTION: Complementary DNA's Encoding Proteins with Signal Peptides
; FILE REFERENCE: 56.US4.CIP
; CURRENT APPLICATION NUMBER: US/09/978,360A
; CURRENT FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: US 60/066,677
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: US 60/069,957
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: US 60/074,121
; PRIOR FILING DATE: 1998-02-09
; PRIOR APPLICATION NUMBER: US 60/081,563
; PRIOR FILING DATE: 1998-04-13
; PRIOR APPLICATION NUMBER: US 60/096,116
; PRIOR FILING DATE: 1998-08-10
; PRIOR APPLICATION NUMBER: US 60/099,273
; PRIOR FILING DATE: -09-04
; PRIOR APPLICATION NUMBER: US 09/191,997
; PRIOR FILING DATE: 1998-11-13
; PRIOR APPLICATION NUMBER: US 09/215,435
; PRIOR FILING DATE: 1998-12-17
; PRIOR APPLICATION NUMBER: PCT/IB98/02122
; PRIOR FILING DATE: 1998-12-17
; PRIOR APPLICATION NUMBER: US 09/247,155
; PRIOR FILING DATE: 1999-02-09
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 810
; SOFTWARE: Patent.pm
; SEQ ID NO 578
; LENGTH: 73
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SIGNAL
; LOCATION: -20...-1
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (51)
; OTHER INFORMATION: unknown
US-09-978-360A-578

Query Match 25.0%; Score 4; DB 5; Length 73;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 4 DNCF 7
|
|
|
|
Db 31 DNCF 34

RESULT 62

US-10-467-657-1328
; Sequence 1328, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SpA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11

```
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWin99, version 1.04
; SEQ ID NO 1328
; LENGTH: 73
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-1328

Query Match      25.0%; Score 4; DB 6; Length 73;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      12 PAVI 15
Db      22 PAVI 25

RESULT 63
US-11-123-896-5
; Sequence 5, Application US/11123896
; Publication No. US20050273881A1
; GENERAL INFORMATION:
; APPLICANT: Simmons, Carl R.
; APPLICANT: Navarro Acevedo, Pedro A.
; APPLICANT: Harvell, Leslie
; APPLICANT: Cahoon, Rebecca
; APPLICANT: McCutchen, Billy Fred
; APPLICANT: Lu, Albert
; APPLICANT: Herrmann, Rafael
; APPLICANT: Wong, James
; TITLE OF INVENTION: Defensin Polynucleotides and Methods of
; FILE REFERENCE: 35718/246703
; CURRENT APPLICATION NUMBER: US/11/123,896
; CURRENT FILING DATE: 2005-05-06
; PRIOR FILING DATE: 2001-06-22
; PRIOR APPLICATION NUMBER: 60/300,152
; PRIOR FILING DATE: 2001-06-22
; NUMBER OF SEQ ID NOS: 469
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 73
; TYPE: PRT
; ORGANISM: Zea mays
US-11-123-896-5

Query Match      25.0%; Score 4; DB 7; Length 73;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      12 PAVI 15
Db      9 PAVI 12

RESULT 64
US-11-123-896-8
; Sequence 8, Application US/11123896
; Publication No. US20050273881A1
; GENERAL INFORMATION:
; APPLICANT: Simmons, Carl R.
; APPLICANT: Navarro Acevedo, Pedro A.
; APPLICANT: Harvell, Leslie
; APPLICANT: Cahoon, Rebecca
; APPLICANT: McCutchen, Billy Fred
; APPLICANT: Lu, Albert
; APPLICANT: Herrmann, Rafael
; APPLICANT: Wong, James
; TITLE OF INVENTION: Defensin Polynucleotides and Methods of
; FILE REFERENCE: 35718/246703
; CURRENT APPLICATION NUMBER: US/11/123,896
; CURRENT FILING DATE: 2005-05-06
; PRIOR FILING DATE: 2001-06-22
; PRIOR APPLICATION NUMBER: 60/300,152
; PRIOR FILING DATE: 2001-06-22
; NUMBER OF SEQ ID NOS: 469
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8
; LENGTH: 73
; TYPE: PRT
; ORGANISM: Oryza sativa
US-11-123-896-8

Query Match      25.0%; Score 4; DB 7; Length 73;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      12 PAVI 15
Db      9 PAVI 12

RESULT 65
US-10-467-657-1364
; Sequence 1364, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SpA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWin99, version 1.04
; SEQ ID NO 1364
; LENGTH: 77
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-1364

Query Match      25.0%; Score 4; DB 6; Length 77;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      12 PAVI 15
Db      61 PAVI 64

RESULT 66
US-10-467-657-8464
; Sequence 8464, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SpA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
```

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; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWin99, version 1.04
; SEQ ID NO 8464
; LENGTH: 82
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-8464

Query Match      25.0%; Score 4; DB 6; Length 82;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      7 FECK 10
      |||||
Db      38 FECK 41

RESULT 67
US-10-986-501-186
; Sequence 186, Application US/10986501
; Publication No. US20050244845A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: 90 Human Secreted Proteins
; FILE REFERENCE: P2013P2C1
; CURRENT APPLICATION NUMBER: US/10/986,501
; CURRENT FILING DATE: 2004-11-12
; PRIOR APPLICATION NUMBER: US/10/621,363
; PRIOR FILING DATE: 2003-07-18
; PRIOR APPLICATION NUMBER: 09/969,730
; PRIOR FILING DATE: 2001-10-06
; PRIOR APPLICATION NUMBER: 09/774,639
; PRIOR FILING DATE: 2001-02-01
; PRIOR APPLICATION NUMBER: 60/238,291
; PRIOR FILING DATE: 2000-10-06
; PRIOR APPLICATION NUMBER: 09/244,112
; PRIOR FILING DATE: 1999-02-04
; PRIOR APPLICATION NUMBER: PCT/US98/16235
; PRIOR FILING DATE: 1998-08-04
; PRIOR APPLICATION NUMBER: 60/056,371
; PRIOR FILING DATE: 1997-08-19
; PRIOR APPLICATION NUMBER: 60/056,732
; PRIOR FILING DATE: 1997-08-19
; PRIOR APPLICATION NUMBER: 60/056,366
; PRIOR FILING DATE: 1997-08-19
; PRIOR APPLICATION NUMBER: 60/056,364
; PRIOR FILING DATE: 1997-08-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 373
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 186
; LENGTH: 84
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-986-501-186

Query Match      25.0%; Score 4; DB 6; Length 84;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      12 PAVI 15
      |||||
Db      80 PAVI 83

RESULT 68
US-11-055-822-120
; Sequence 120, Application US/11055822
; Publication No. US20050260707A1
; GENERAL INFORMATION:
; APPLICANT: Pompejus, Markus
; APPLICANT: Kroger, Burkhard
; APPLICANT: Schroder, Hartwig
; APPLICANT: Zelder, Oskar
; APPLICANT: Haberhauer, Gregor
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING
; FILE REFERENCE: BGI-121CPCN
; CURRENT APPLICATION NUMBER: US/11/055,822
; CURRENT FILING DATE: 2005-02-11
; PRIOR APPLICATION NUMBER: 09/606,740
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: 60/141,031
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: 60/142,101
; PRIOR FILING DATE: 1999-07-02
; PRIOR APPLICATION NUMBER: 60/148,613
; PRIOR FILING DATE: 1999-08-12
; PRIOR APPLICATION NUMBER: 60/187,970
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: DE 19930476.9
; PRIOR FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: DE 19931415.2
; PRIOR FILING DATE: 1999-07-08
```



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; PRIOR APPLICATION NUMBER: DE 19931418.7
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19931419.5
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19931420.9
; PRIOR FILING DATE: 1999-07-08
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1158
; SEQ ID NO 490
; LENGTH: 95
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-11-055-822-490

Query Match      25.0%; Score 4; DB 7; Length 95;
Best Local Similarity 100.0%; Pred. No. 2.9e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      8 EGKD 11
      ||||
Db     13 EGKD 16

RESULT 70
US-11-084-554-211
; Sequence 211, Application US/11084554
; Publication No. US20050260679A1
; GENERAL INFORMATION:
; APPLICANT: Kellermann, Sirid-Ai
; APPLICANT: Green, Larry L.
; APPLICANT: Korver, Wouter
; TITLE OF INVENTION: REDUCING THE RISK OF HUMAN ANTI-HUMAN
; TITLE OF INVENTION: ANTIBODIES THROUGH V GENE MANIPULATION
; FILE REFERENCE: ABGENIX.100A
; CURRENT APPLICATION NUMBER: US/11/084,554
; CURRENT FILING DATE: 2005-03-17
; PRIOR APPLICATION NUMBER: 60/554,372
; PRIOR FILING DATE: 2004-03-19
; PRIOR APPLICATION NUMBER: 60/574,661
; PRIOR FILING DATE: 2004-05-24
; NUMBER OF SEQ ID NOS: 266
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 211
; LENGTH: 97
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-084-554-211

Query Match      25.0%; Score 4; DB 7; Length 97;
Best Local Similarity 100.0%; Pred. No. 3e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      11 DPAV 14
      ||||
Db       7 DPAV 10

RESULT 71
US-11-136-250-211
; Sequence 211, Application US/11136250
; Publication No. US20060021074A1
; GENERAL INFORMATION:
; APPLICANT: Kellermann, Sirid-Ai
; APPLICANT: Green, Larry L.
; APPLICANT: Korver, Wouter
; TITLE OF INVENTION: REDUCING THE RISK OF HUMAN ANTI-HUMAN
; TITLE OF INVENTION: ANTIBODIES THROUGH V GENE MANIPULATION
; FILE REFERENCE: ABGENIX.100A2
; CURRENT APPLICATION NUMBER: US/11/136,250
; CURRENT FILING DATE: 2005-05-23
; PRIOR APPLICATION NUMBER: 11/084,554
; PRIOR FILING DATE: 2005-03-17
; PRIOR APPLICATION NUMBER: PCT/US2005/009306
```

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; PRIOR FILING DATE: 2005-03-17
; PRIOR APPLICATION NUMBER: 60/574,661
; PRIOR FILING DATE: 2004-05-24
; PRIOR APPLICATION NUMBER: 60/554,372
; PRIOR FILING DATE: 2004-03-19
; NUMBER OF SEQ ID NOS: 266
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 211
; LENGTH: 97
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-136-250-211

Query Match      25.0%; Score 4; DB 7; Length 97;
Best Local Similarity 100.0%; Pred. No. 3e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      11 DPAV 14
      ||||
Db       7 DPAV 10

RESULT 72
US-10-999-866-22
; Sequence 22, Application US/10999866
; Publication No. US20050266004A1
; GENERAL INFORMATION:
; APPLICANT: GILES-KOMAR, Jill; SCALLON, Bernard J.; CAI, Ann
; TITLE OF INVENTION: ANTI-HUMAN LYMPHOTOXIN ALPHA ANTIBODIES, COMPOSITIONS, METHODS AND
; FILE REFERENCE: CEN5042NP
; CURRENT APPLICATION NUMBER: US/10/999,866
; CURRENT FILING DATE: 2004-11-30
; PRIOR APPLICATION NUMBER: 60/527,794
; PRIOR FILING DATE: 2003-12-08
; NUMBER OF SEQ ID NOS: 61
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 22
; LENGTH: 98
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(22)
; OTHER INFORMATION: framework 1
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (23)..(23)
; OTHER INFORMATION: complementarity determining region 1 (CDR1), X is 5-20 (11) of any
; OTHER INFORMATION: amino acids.
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (24)..(38)
; OTHER INFORMATION: framework 2
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (39)..(39)
; OTHER INFORMATION: complementarity determining region 2 (CDR2), X is 3-20 (7) of any
; OTHER INFORMATION: amino acids.
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (40)..(71)
; OTHER INFORMATION: framework 3
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (72)..(72)
; OTHER INFORMATION: complementarity determining region 3 (CDR3), X is 15-40 (26) of
; OTHER INFORMATION: any amino acids.
; FEATURE:
; NAME/KEY: MISC FEATURE
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; LOCATION: (73)..(98)
; OTHER INFORMATION: framework 4
; US-10-999-866-22

Query Match      25.0%; Score 4; DB 6; Length 98;
Best Local Similarity 100.0%; Pred. No. 3e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 11 DPAV 14
Db 7 DPAV 10

RESULT 73
US-11-061-821-22
; Sequence 22, Application US/11061821
; Publication No. US20050266005A1
; GENERAL INFORMATION:
; APPLICANT: Heavner, George; Li, Li; Oneil, Karyn
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING IL-13 RELATED PATHOLOGIES
; FILE REFERENCE: CEN5048 NP
; CURRENT APPLICATION NUMBER: US/11/061,821
; CURRENT FILING DATE: 2005-02-18
; PRIOR APPLICATION NUMBER: 60/548,648
; PRIOR FILING DATE: 2004-02-27
; NUMBER OF SEQ ID NOS: 42
; SOFTWARE: PatentIn Ver 3.3
; SEQ ID NO 22
; LENGTH: 98
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(98)
; OTHER INFORMATION: Lambda3e light chain variable region
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(22)
; OTHER INFORMATION: framework 1
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (23)..(23)
; OTHER INFORMATION: complementarity determining region 1 (CDR1), X is any amino acid.
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (24)..(38)
; OTHER INFORMATION: framework 2
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (39)..(39)
; OTHER INFORMATION: complementarity determining region 2 (CDR2), X is any amino acid.
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (40)..(71)
; OTHER INFORMATION: framework 3
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (72)..(72)
; OTHER INFORMATION: complementarity determining region 3 (CDR3), X is any amino acid.
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (73)..(98)
; OTHER INFORMATION: framework 4
US-11-061-821-22

Query Match      25.0%; Score 4; DB 7; Length 98;
Best Local Similarity 100.0%; Pred. No. 3e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 11 DPAV 14
Db 7 DPAV 10
```

```
RESULT 74
US-10-467-657-2846
; Sequence 2846, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON Spa
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWin99, version 1.04
; SEQ ID NO 2846
; LENGTH: 99
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-2846

Query Match      25.0%; Score 4; DB 6; Length 99;
Best Local Similarity 100.0%; Pred. No. 3e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 13 AVIR 16
Db 66 AVIR 69

RESULT 75
US-11-000-463-934
; Sequence 934, Application US/11000463
; Publication No. US20050266423A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y Tom
; APPLICANT: Liu, Chenchua
; APPLICANT: Asundi, Vinod
; APPLICANT: Chen, Rui-hong
; APPLICANT: Qian, Xiaohong B.
; APPLICANT: Wang, Zhiwei
; APPLICANT: Wehrman, Tom
; APPLICANT: Zhang, Jie
; APPLICANT: Zhou, Ping
; APPLICANT: Cao, Yi-Cheng
; APPLICANT: Drmanac, Radoje T.
; TITLE OF INVENTION: Novel Nucleic Acids and Polypeptides
; FILE REFERENCE: 785CIP4CN
; CURRENT APPLICATION NUMBER: US/11/000,463
; CURRENT FILING DATE: 2004-11-29
; PRIOR APPLICATION NUMBER: 10/291,265
; PRIOR FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: PCT/US01/02623
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 09/922,279
; PRIOR FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: 09/491,404
; PRIOR FILING DATE: 2000-01-25
; PRIOR APPLICATION NUMBER: 09/617,746
; PRIOR FILING DATE: 2000-07-17
; PRIOR APPLICATION NUMBER: 09/631,451
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: 09/633,870
; PRIOR FILING DATE: 2000-09-15
; NUMBER OF SEQ ID NOS: 944
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 934
; LENGTH: 99
; TYPE: PRT
```

; ORGANISM: Homo sapiens
US-11-000-463-934

Query Match 25.0%; Score 4; DB 7; Length 99;
Best Local Similarity 100.0%; Pred. No. 3e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PSWD 4
Db 28 FSWD 31

RESULT 76
US-10-485-517-349
; Sequence 349, Application US/10485517
; Publication No. US20050256299A1
; GENERAL INFORMATION:
; APPLICANT: University of Sheffield
; APPLICANT: Biosynexus Incorporated
; APPLICANT: Foster, Simon
; APPLICANT: Mond, James
; TITLE OF INVENTION: Antigenic Polypeptides
; FILE REFERENCE: P100629W0
; CURRENT APPLICATION NUMBER: US/10/485,517
; CURRENT FILING DATE: 2004-02-02
; PRIOR APPLICATION NUMBER: GB 0118825.9
; PRIOR FILING DATE: 2001-08-02
; PRIOR APPLICATION NUMBER: GB 0200349.9
; PRIOR FILING DATE: 2002-01-09
; NUMBER OF SEQ ID NOS: 424
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 349
; LENGTH: 100
; TYPE: PRT
; ORGANISM: Staphylococcus aureus
US-10-485-517-349

Query Match 25.0%; Score 4; DB 6; Length 100;
Best Local Similarity 100.0%; Pred. No. 3e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 EGKD 11
Db 16 EGKD 19

RESULT 77
US-10-793-626-280
; Sequence 280, Application US/10793626
; Publication No. US20050255478A1
; GENERAL INFORMATION:
; APPLICANT: KIMMERLY, WILLIAM JOHN
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
; FILE REFERENCE: P03480US
; CURRENT APPLICATION NUMBER: US/10/793,626
; CURRENT FILING DATE: 2004-03-04
; PRIOR APPLICATION NUMBER: 60/164,258
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 4472
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 280
; LENGTH: 101
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
; OTHER INFORMATION: amino acid sequence
US-10-793-626-280

Query Match 25.0%; Score 4; DB 6; Length 101;
Best Local Similarity 100.0%; Pred. No. 3.1e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 PAVI 15
Db 93 PAVI 96

RESULT 78
US-11-019-711-74
; Sequence 74, Application US/11019711
; Publication No. US20060009634A1
; GENERAL INFORMATION:
; APPLICANT: Kekuda, Ramesh
; APPLICANT: Alsbrook II, John P
; APPLICANT: Tchernev, Velizar T
; APPLICANT: Liu, Xiaohong
; APPLICANT: Spytek, Kimberly A
; APPLICANT: Patturajan, Meera
; APPLICANT: Grosse, William M
; APPLICANT: Lepley, Denise M
; APPLICANT: Burgess, Catherine E
; APPLICANT: Vernet, Corine A.M.
; APPLICANT: Li, Li
; APPLICANT: Gorman, Linda
; APPLICANT: Edinger, Shlomit R
; APPLICANT: Sciore, Paul
; APPLICANT: Ellerman, Karen
; APPLICANT: Malyankar, Uriel M
; APPLICANT: Rothenberg, Mark
; APPLICANT: Stone, David J
; APPLICANT: Boldog, Ferenc L
; APPLICANT: Guo, Xiaojia
; APPLICANT: Shenoy, Suresh G
; APPLICANT: Anderson, David W
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Taupier Jr, Raymond J
; APPLICANT: Miller, Charles E
; APPLICANT: Eisen, Andrew J
; TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-235
; CURRENT APPLICATION NUMBER: US/11/019,711
; CURRENT FILING DATE: 2004-12-21
; PRIOR APPLICATION NUMBER: US/10/037,417
; PRIOR FILING DATE: 2002-09-20
; PRIOR APPLICATION NUMBER: 60/260,018
; PRIOR FILING DATE: 2001-01-05
; PRIOR APPLICATION NUMBER: 60/260,360
; PRIOR FILING DATE: 2001-01-08
; PRIOR APPLICATION NUMBER: 60/272,411
; PRIOR FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: 60/272,817
; PRIOR FILING DATE: 2001-03-02
; PRIOR APPLICATION NUMBER: 60/291,186
; PRIOR FILING DATE: 2001-05-15
; PRIOR APPLICATION NUMBER: 60/303,231
; PRIOR FILING DATE: 2001-07-05
; PRIOR APPLICATION NUMBER: 60/305,060
; PRIOR FILING DATE: 2001-07-12
; PRIOR APPLICATION NUMBER: 60/318,405
; PRIOR FILING DATE: 2001-09-10
; PRIOR APPLICATION NUMBER: 60/318,700
; PRIOR FILING DATE: 2001-09-12
; NUMBER OF SEQ ID NOS: 227
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 74
; LENGTH: 104
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Pleckstrin
; OTHER INFORMATION: homology domain Consensus Sequence
US-11-019-711-74

Query Match 25.0%; Score 4; DB 7; Length 104;
Best Local Similarity 100.0%; Pred. No. 3.1e+02;

Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 5 NCFE 8
|||||
Db 68 NCFE 71

RESULT 79

US-10-771-257-76
; Sequence 76, Application US/10771257
; Publication No. US20050288864A1
; GENERAL INFORMATION:
; APPLICANT: Medical Research Council
; APPLICANT: Sissa - Scuola Superiore Internazionale di Studi Avanzati
; APPLICANT: Cattaneo, Antonino
; APPLICANT: Maritan, Amos
; APPLICANT: Visintin, Michela
; APPLICANT: Rabbitts, Terrence H
; APPLICANT: Settanni, Giovanni
; TITLE OF INVENTION: Intracellular antibodies
; FILE REFERENCE: 18396/2272
; CURRENT APPLICATION NUMBER: US/10/771,257
; CURRENT FILING DATE: 2004-02-03
; PRIOR APPLICATION NUMBER: PCT/GB02/03512
; PRIOR FILING DATE: 2002-08-01
; PRIOR APPLICATION NUMBER: GB 0119004.0
; PRIOR FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: GB 0121577.1
; PRIOR FILING DATE: 2001-09-06
; PRIOR APPLICATION NUMBER: GB 0200928.0
; PRIOR FILING DATE: 2002-01-16
; PRIOR APPLICATION NUMBER: GB 0203569.9
; PRIOR FILING DATE: 2002-02-14
; PRIOR APPLICATION NUMBER: IT RM2001A000633
; PRIOR FILING DATE: 2001-10-25
; NUMBER OF SEQ ID NOS: 124
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 76
; LENGTH: 107
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-771-257-76

Query Match 25.0%; Score 4; DB 6; Length 107;

Best Local Similarity 100.0%; Pred. No. 3.2e+02;

Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 DPAV 14
|||||
Db 6 DPAV 9

RESULT 80

US-11-127-677-74
; Sequence 74, Application US/11127677
; Publication No. US20050272107A1
; GENERAL INFORMATION:
; APPLICANT: Medical Research Council
; APPLICANT: Rabbitts, Terrence H
; APPLICANT: Tanaka, Tomoyuki
; TITLE OF INVENTION: Intracellular antibodies
; FILE REFERENCE: 18396/2462
; CURRENT APPLICATION NUMBER: US/11/127,677
; CURRENT FILING DATE: 2005-05-12
; PRIOR APPLICATION NUMBER: PCT/GB03/04942
; PRIOR FILING DATE: 2003-11-14
; PRIOR APPLICATION NUMBER: GB 0226729.2
; PRIOR FILING DATE: 2002-11-15
; NUMBER OF SEQ ID NOS: 150
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 74
; LENGTH: 107
; TYPE: PRT

; ORGANISM: Artificial sequence

; FEATURE:

; OTHER INFORMATION: Derived protein sequence of scFv

US-11-127-677-74

Query Match 25.0%; Score 4; DB 7; Length 107;

Best Local Similarity 100.0%; Pred. No. 3.2e+02;

Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 DPAV 14
|||||
Db 6 DPAV 9

RESULT 81

US-11-049-536-208
; Sequence 208, Application US/11049536
; Publication No. US20060024297A1
; GENERAL INFORMATION:
; APPLICANT: Wood, Clive R.
; APPLICANT: Dransfield, Daniel T.
; APPLICANT: Pieters, Henk
; APPLICANT: Hoet, Rene
; APPLICANT: Hufton, Simon E.
; TITLE OF INVENTION: TIE COMPLEX BINDING PROTEINS
; FILE REFERENCE: 10280-128001
; CURRENT APPLICATION NUMBER: US/11/049,536
; CURRENT FILING DATE: 2005-02-02
; PRIOR APPLICATION NUMBER: US 10/916,840
; PRIOR FILING DATE: 2004-08-12
; PRIOR APPLICATION NUMBER: US 60/494,713
; PRIOR FILING DATE: 2003-08-12
; NUMBER OF SEQ ID NOS: 721
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 208
; LENGTH: 107
; TYPE: PRT
; ORGANISM: ARTIFICIAL SEQUENCE
; FEATURE:
; OTHER INFORMATION: Antibody
US-11-049-536-208

Query Match 25.0%; Score 4; DB 7; Length 107;

Best Local Similarity 100.0%; Pred. No. 3.2e+02;

Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 DPAV 14
|||||
Db 7 DPAV 10

RESULT 82

US-11-049-536-252
; Sequence 252, Application US/11049536
; Publication No. US20060024297A1
; GENERAL INFORMATION:
; APPLICANT: Wood, Clive R.
; APPLICANT: Dransfield, Daniel T.
; APPLICANT: Pieters, Henk
; APPLICANT: Hoet, Rene
; APPLICANT: Hufton, Simon E.
; TITLE OF INVENTION: TIE COMPLEX BINDING PROTEINS
; FILE REFERENCE: 10280-128001
; CURRENT APPLICATION NUMBER: US/11/049,536
; CURRENT FILING DATE: 2005-02-02
; PRIOR APPLICATION NUMBER: US 10/916,840
; PRIOR FILING DATE: 2004-08-12
; PRIOR APPLICATION NUMBER: US 60/494,713
; PRIOR FILING DATE: 2003-08-12
; NUMBER OF SEQ ID NOS: 721
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 252
; LENGTH: 107

```
; TYPE: PRT
; ORGANISM: ARTIFICIAL SEQUENCE
; FEATURE:
; OTHER INFORMATION: Antibody
US-11-049-536-252

Query Match          25.0%; Score 4; DB 7; Length 107;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      11 DPAV 14
Db      7 DPAV 10

RESULT 83
US-10-771-257-23
; Sequence 23, Application US/10771257
; Publication No. US2005028864A1
; GENERAL INFORMATION:
; APPLICANT: Medical Research Council
; APPLICANT: SISA - Scuola Superiore Internazionale di Studi Avanzati
; APPLICANT: Cattaneo, Antonino
; APPLICANT: Maritan, Amos
; APPLICANT: Visintin, Michela
; APPLICANT: Rabbitts, Terrence H
; APPLICANT: Settanni, Giovanni
; TITLE OF INVENTION: Intracellular antibodies
; CURRENT APPLICATION NUMBER: US/10/771,257
; CURRENT FILING DATE: 2004-02-03
; PRIOR APPLICATION NUMBER: PCT/GB02/03512
; PRIOR FILING DATE: 2002-08-01
; PRIOR APPLICATION NUMBER: GB 0119004.0
; PRIOR FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: GB 0121577.1
; PRIOR FILING DATE: 2001-09-06
; PRIOR APPLICATION NUMBER: GB 0200928.0
; PRIOR FILING DATE: 2002-01-16
; PRIOR APPLICATION NUMBER: GB 0203569.9
; PRIOR FILING DATE: 2002-02-14
; PRIOR APPLICATION NUMBER: IT RM2001A000633
; PRIOR FILING DATE: 2001-10-25
; NUMBER OF SEQ ID NOS: 124
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 23
; LENGTH: 108
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-771-257-23

Query Match          25.0%; Score 4; DB 6; Length 108;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      11 DPAV 14
Db      7 DPAV 10

RESULT 84
US-10-771-257-24
; Sequence 24, Application US/10771257
; Publication No. US2005028864A1
; GENERAL INFORMATION:
; APPLICANT: Medical Research Council
; APPLICANT: SISA - Scuola Superiore Internazionale di Studi Avanzati
; APPLICANT: Cattaneo, Antonino
; APPLICANT: Maritan, Amos
; APPLICANT: Visintin, Michela
; APPLICANT: Rabbitts, Terrence H
; APPLICANT: Settanni, Giovanni
; TITLE OF INVENTION: Intracellular antibodies
```

```
; FILE REFERENCE: 18396/2272
; CURRENT APPLICATION NUMBER: US/10/771,257
; CURRENT FILING DATE: 2004-02-03
; PRIOR APPLICATION NUMBER: PCT/GB02/03512
; PRIOR FILING DATE: 2002-08-01
; PRIOR APPLICATION NUMBER: GB 0119004.0
; PRIOR FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: GB 0121577.1
; PRIOR FILING DATE: 2001-09-06
; PRIOR APPLICATION NUMBER: GB 0200928.0
; PRIOR FILING DATE: 2002-01-16
; PRIOR APPLICATION NUMBER: GB 0203569.9
; PRIOR FILING DATE: 2002-02-14
; PRIOR APPLICATION NUMBER: IT RM2001A000633
; PRIOR FILING DATE: 2001-10-25
; NUMBER OF SEQ ID NOS: 124
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 24
; LENGTH: 108
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-771-257-24

Query Match          25.0%; Score 4; DB 6; Length 108;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      11 DPAV 14
Db      6 DPAV 9

RESULT 85
US-10-771-257-31
; Sequence 31, Application US/10771257
; Publication No. US2005028864A1
; GENERAL INFORMATION:
; APPLICANT: Medical Research Council
; APPLICANT: SISA - Scuola Superiore Internazionale di Studi Avanzati
; APPLICANT: Cattaneo, Antonino
; APPLICANT: Maritan, Amos
; APPLICANT: Visintin, Michela
; APPLICANT: Rabbitts, Terrence H
; APPLICANT: Settanni, Giovanni
; TITLE OF INVENTION: Intracellular antibodies
; FILE REFERENCE: 18396/2272
; CURRENT APPLICATION NUMBER: US/10/771,257
; CURRENT FILING DATE: 2004-02-03
; PRIOR APPLICATION NUMBER: PCT/GB02/03512
; PRIOR FILING DATE: 2002-08-01
; PRIOR APPLICATION NUMBER: GB 0119004.0
; PRIOR FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: GB 0121577.1
; PRIOR FILING DATE: 2001-09-06
; PRIOR APPLICATION NUMBER: GB 0200928.0
; PRIOR FILING DATE: 2002-01-16
; PRIOR APPLICATION NUMBER: GB 0203569.9
; PRIOR FILING DATE: 2002-02-14
; PRIOR APPLICATION NUMBER: IT RM2001A000633
; PRIOR FILING DATE: 2001-10-25
; NUMBER OF SEQ ID NOS: 124
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 31
; LENGTH: 108
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-771-257-31

Query Match          25.0%; Score 4; DB 6; Length 108;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      11 DPAV 14
```

```
Db      |||||
        7 DPAV 10

RESULT 86
US-10-771-257-66
; Sequence 66, Application US/10771257
; Publication No. US20050288864A1
; GENERAL INFORMATION:
; APPLICANT: Medical Research Council
; APPLICANT: SISSA - Scuola Superiore Internazionale di Studi Avanzati
; APPLICANT: Cattaneo, Antonino
; APPLICANT: Maritan, Amos
; APPLICANT: Visintin, Michela
; APPLICANT: Rabbitts, Terrence H
; APPLICANT: Settanni, Giovanni
; TITLE OF INVENTION: Intracellular antibodies
; FILE REFERENCE: 18396/2272
; CURRENT APPLICATION NUMBER: US/10/771,257
; PRIOR FILING DATE: 2004-02-03
; PRIOR APPLICATION NUMBER: PCT/GB02/03512
; PRIOR FILING DATE: 2002-08-01
; PRIOR APPLICATION NUMBER: GB 0119004.0
; PRIOR FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: GB 0121577.1
; PRIOR FILING DATE: 2001-09-06
; PRIOR APPLICATION NUMBER: GB 0200928.0
; PRIOR FILING DATE: 2002-01-16
; PRIOR APPLICATION NUMBER: GB 0203569.9
; PRIOR FILING DATE: 2002-02-14
; PRIOR APPLICATION NUMBER: IT RM2001A000633
; PRIOR FILING DATE: 2001-10-25
; NUMBER OF SEQ ID NOS: 124
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 66
; LENGTH: 108
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-771-257-66

Query Match      25.0%; Score 4; DB 6; Length 108;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      11 DPAV 14
        |||||
        6 DPAV 9

RESULT 87
US-10-771-257-73
; Sequence 73, Application US/10771257
; Publication No. US20050288864A1
; GENERAL INFORMATION:
; APPLICANT: Medical Research Council
; APPLICANT: SISSA - Scuola Superiore Internazionale di Studi Avanzati
; APPLICANT: Cattaneo, Antonino
; APPLICANT: Maritan, Amos
; APPLICANT: Visintin, Michela
; APPLICANT: Rabbitts, Terrence H
; APPLICANT: Settanni, Giovanni
; TITLE OF INVENTION: Intracellular antibodies
; FILE REFERENCE: 18396/2272
; CURRENT APPLICATION NUMBER: US/10/771,257
; PRIOR FILING DATE: 2004-02-03
; PRIOR APPLICATION NUMBER: PCT/GB02/03512
; PRIOR FILING DATE: 2002-08-01
; PRIOR APPLICATION NUMBER: GB 0119004.0
; PRIOR FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: GB 0121577.1
; PRIOR FILING DATE: 2001-09-06
; PRIOR APPLICATION NUMBER: GB 0200928.0
; PRIOR FILING DATE: 2002-01-16
; PRIOR APPLICATION NUMBER: GB 0203569.9
; PRIOR FILING DATE: 2002-02-14
; PRIOR APPLICATION NUMBER: IT RM2001A000633
; PRIOR FILING DATE: 2001-10-25
; NUMBER OF SEQ ID NOS: 124
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 73
; LENGTH: 108
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-771-257-73

Query Match      25.0%; Score 4; DB 6; Length 108;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      11 DPAV 14
        |||||
        6 DPAV 9

RESULT 88
US-10-771-257-79
; Sequence 79, Application US/10771257
; Publication No. US20050288864A1
; GENERAL INFORMATION:
; APPLICANT: Medical Research Council
; APPLICANT: SISSA - Scuola Superiore Internazionale di Studi Avanzati
; APPLICANT: Cattaneo, Antonino
; APPLICANT: Maritan, Amos
; APPLICANT: Visintin, Michela
; APPLICANT: Rabbitts, Terrence H
; APPLICANT: Settanni, Giovanni
; TITLE OF INVENTION: Intracellular antibodies
; FILE REFERENCE: 18396/2272
; CURRENT APPLICATION NUMBER: US/10/771,257
; CURRENT FILING DATE: 2004-02-03
; PRIOR APPLICATION NUMBER: PCT/GB02/03512
; PRIOR FILING DATE: 2002-08-01
; PRIOR APPLICATION NUMBER: GB 0119004.0
; PRIOR FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: GB 0121577.1
; PRIOR FILING DATE: 2001-09-06
; PRIOR APPLICATION NUMBER: GB 0200928.0
; PRIOR FILING DATE: 2002-01-16
; PRIOR APPLICATION NUMBER: GB 0203569.9
; PRIOR FILING DATE: 2002-02-14
; PRIOR APPLICATION NUMBER: IT RM2001A000633
; PRIOR FILING DATE: 2001-10-25
; NUMBER OF SEQ ID NOS: 124
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 79
; LENGTH: 108
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-771-257-79

Query Match      25.0%; Score 4; DB 6; Length 108;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      11 DPAV 14
        |||||
        6 DPAV 9

RESULT 89
US-11-127-677-23
; Sequence 23, Application US/11127677
; Publication No. US20050272107A1
; GENERAL INFORMATION:
; APPLICANT: Medical Research Council
; APPLICANT: Rabbitts, Terrence H
```

```
; APPLICANT: Tanaka, Tomoyuki
; TITLE OF INVENTION: Intracellular antibodies
; FILE REFERENCE: 18396/2462
; CURRENT APPLICATION NUMBER: US/11/127,677
; CURRENT FILING DATE: 2005-05-12
; PRIOR APPLICATION NUMBER: PCT/GB03/04942
; PRIOR FILING DATE: 2003-11-14
; PRIOR APPLICATION NUMBER: GB 0226729.2
; PRIOR FILING DATE: 2002-11-15
; PRIOR APPLICATION NUMBER: GB 0226729.2
; PRIOR FILING DATE: 2002-11-15
; NUMBER OF SEQ ID NOS: 150
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 23
; LENGTH: 108
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Derived protein sequence of scFv
US-11-127-677-23

Query Match          25.0%; Score 4; DB 7; Length 108;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      11 DPAV 14
        ||||
Db      7 DPAV 10

RESULT 90
US-11-127-677-24
; Sequence 24, Application US/11127677
; Publication No. US20050272107A1
; GENERAL INFORMATION:
; APPLICANT: Medical Research Council
; APPLICANT: Tanaka, Tomoyuki
; TITLE OF INVENTION: Intracellular antibodies
; FILE REFERENCE: 18396/2462
; CURRENT APPLICATION NUMBER: US/11/127,677
; CURRENT FILING DATE: 2005-05-12
; PRIOR APPLICATION NUMBER: PCT/GB03/04942
; PRIOR FILING DATE: 2003-11-14
; PRIOR APPLICATION NUMBER: GB 0226729.2
; PRIOR FILING DATE: 2002-11-15
; NUMBER OF SEQ ID NOS: 150
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 24
; LENGTH: 108
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Derived protein sequence of scFv
US-11-127-677-24

Query Match          25.0%; Score 4; DB 7; Length 108;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      11 DPAV 14
        ||||
Db      6 DPAV 9

RESULT 91
US-11-127-677-31
; Sequence 31, Application US/11127677
; Publication No. US20050272107A1
; GENERAL INFORMATION:
; APPLICANT: Medical Research Council
; APPLICANT: Tanaka, Tomoyuki
; TITLE OF INVENTION: Intracellular antibodies
; FILE REFERENCE: 18396/2462
; CURRENT APPLICATION NUMBER: US/11/127,677
; CURRENT FILING DATE: 2005-05-12
; PRIOR APPLICATION NUMBER: PCT/GB03/04942
; PRIOR FILING DATE: 2003-11-14
; PRIOR APPLICATION NUMBER: GB 0226729.2
; PRIOR FILING DATE: 2002-11-15
; NUMBER OF SEQ ID NOS: 150
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 31
; LENGTH: 108
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Derived protein sequence of scFv
US-11-127-677-31

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Db      6 DPAV 9

RESULT 92
US-11-127-677-64
; Sequence 64, Application US/11127677
; Publication No. US20050272107A1
; GENERAL INFORMATION:
; APPLICANT: Medical Research Council
; APPLICANT: Tanaka, Tomoyuki
; TITLE OF INVENTION: Intracellular antibodies
; FILE REFERENCE: 18396/2462
; CURRENT APPLICATION NUMBER: US/11/127,677
; CURRENT FILING DATE: 2005-05-12
; PRIOR APPLICATION NUMBER: PCT/GB03/04942
; PRIOR FILING DATE: 2003-11-14
; PRIOR APPLICATION NUMBER: GB 0226729.2
; PRIOR FILING DATE: 2002-11-15
; NUMBER OF SEQ ID NOS: 150
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; LENGTH: 108
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; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Derived protein sequence of scFv
US-11-127-677-64

Query Match          25.0%; Score 4; DB 7; Length 108;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
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Qy      11 DPAV 14
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Db      7 DPAV 10

RESULT 93
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; Sequence 71, Application US/11127677
; Publication No. US20050272107A1
; GENERAL INFORMATION:
; APPLICANT: Medical Research Council
; APPLICANT: Tanaka, Tomoyuki
; TITLE OF INVENTION: Intracellular antibodies
; FILE REFERENCE: 18396/2462
; CURRENT APPLICATION NUMBER: US/11/127,677
; CURRENT FILING DATE: 2005-05-12
; PRIOR APPLICATION NUMBER: PCT/GB03/04942
; PRIOR FILING DATE: 2002-11-15
; NUMBER OF SEQ ID NOS: 150
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 71
; LENGTH: 108
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; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Derived protein sequence of scFv
US-11-127-677-71

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Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      11 DPAV 14
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Db      6 DPAV 9
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; PRIOR FILING DATE: 2003-11-14
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; LENGTH: 108
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Derived protein sequence of scfv
US-11-127-677-71

Query Match      25.0%; Score 4; DB 7; Length 108;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      11 DPAV 14
Db      6 DPAV 9

RESULT 94
US-11-127-677-77
; Sequence 77, Application US/11127677
; Publication No. US20050272107A1
; GENERAL INFORMATION:
; APPLICANT: Medical Research Council
; APPLICANT: Rabbitts, Terence H
; APPLICANT: Tanaka, Tomoyuki
; TITLE OF INVENTION: Intracellular antibodies
; FILE REFERENCE: 18396/2462
; CURRENT APPLICATION NUMBER: US/11/127,677
; PRIOR FILING DATE: 2005-05-12
; PRIOR APPLICATION NUMBER: PCT/GB03/04942
; PRIOR FILING DATE: 2003-11-14
; PRIOR APPLICATION NUMBER: GB 0226729.2
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US-11-127-677-77

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Qy      11 DPAV 14
Db      6 DPAV 9

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US-11-112-240-16
; Sequence 16, Application US/11112240
; Publication No. US20050287140A1
; GENERAL INFORMATION:
; APPLICANT: Smothers, James F.
; APPLICANT: Fanslow III, William C.
; APPLICANT: Kariv, Revital
; TITLE OF INVENTION: ANTIBODIES OF ANGIOGENESIS INHIBITING DOMAINS OF CD148
; FILE REFERENCE: A-953A(US)
; CURRENT APPLICATION NUMBER: US/11/112,240
; PRIOR FILING DATE: 2005-04-21
; PRIOR APPLICATION NUMBER: US 60/564,885
; PRIOR FILING DATE: 2004-04-23
; PRIOR APPLICATION NUMBER: US 60/585,885
; PRIOR FILING DATE: 2004-07-06
; PRIOR FILING DATE: 2004-07-06
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; ORGANISM: Homo sapiens
US-11-112-240-16

Query Match      25.0%; Score 4; DB 7; Length 108;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      11 DPAV 14
Db      7 DPAV 10

RESULT 96
US-11-112-240-20
; Sequence 20, Application US/11112240
; Publication No. US20050287140A1
; GENERAL INFORMATION:
; APPLICANT: Smothers, James F.
; APPLICANT: Fanslow III, William C.
; APPLICANT: Kariv, Revital
; TITLE OF INVENTION: ANTIBODIES OF ANGIOGENESIS INHIBITING DOMAINS OF CD148
; FILE REFERENCE: A-953A(US)
; CURRENT APPLICATION NUMBER: US/11/112,240
; CURRENT FILING DATE: 2005-04-21
; PRIOR APPLICATION NUMBER: US 60/564,885
; PRIOR FILING DATE: 2004-04-23
; PRIOR APPLICATION NUMBER: US 60/585,885
; PRIOR FILING DATE: 2004-07-06
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; SEQ ID NO 20
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; ORGANISM: Homo sapiens
US-11-112-240-20

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Qy      11 DPAV 14
Db      7 DPAV 10

RESULT 97
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; Sequence 16, Application US/11112304A
; Publication No. US20060002931A1
; GENERAL INFORMATION:
; APPLICANT: AMGEN, INC.
; APPLICANT: Smothers, James
; APPLICANT: Fanslow III, William C.
; APPLICANT: Kariv, Revital
; TITLE OF INVENTION: ANTIBODIES OF ANGIOGENESIS INHIBITING DOMAINS OF CD148
; FILE REFERENCE: 3447
; CURRENT APPLICATION NUMBER: US/11/112,304A
; CURRENT FILING DATE: 2005-04-22
; PRIOR APPLICATION NUMBER: US 60/565,158
; PRIOR FILING DATE: 2004-04-23
; PRIOR APPLICATION NUMBER: US 60/564,885
; PRIOR FILING DATE: 2004-04-23
; PRIOR APPLICATION NUMBER: US 60/571,566
; PRIOR FILING DATE: 2004-05-14
; PRIOR APPLICATION NUMBER: US 60/585,686
; PRIOR FILING DATE: 2004-07-06
; NUMBER OF SEQ ID NOS: 33
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; LENGTH: 108
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-112-304A-16

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Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      11 DPAV 14
Db      7 DPAV 10

RESULT 98
US-11-112-304A-20
; Sequence 20, Application US/11112304A
; Publication No. US20060002931A1
; GENERAL INFORMATION:
; APPLICANT: AMGEN, INC.
; APPLICANT: AMGEN, INC.
; APPLICANT: Smothers, James
; APPLICANT: Fanslow III, William C.
; APPLICANT: Kariv, Revital
; TITLE OF INVENTION: ANTIBODIES OF ANGIOGENESIS INHIBITING DOMAINS OF CD148
; FILE REFERENCE: 3447
; CURRENT APPLICATION NUMBER: US/11/112,304A
; CURRENT FILING DATE: 2005-04-22
; PRIOR APPLICATION NUMBER: US 60/565,158
; PRIOR FILING DATE: 2004-04-23
; PRIOR APPLICATION NUMBER: US 60/564,885
; PRIOR FILING DATE: 2004-04-23
; PRIOR APPLICATION NUMBER: US 60/571,566
; PRIOR FILING DATE: 2004-05-14
; PRIOR APPLICATION NUMBER: US 60/585,686
; PRIOR FILING DATE: 2004-07-06
; NUMBER OF SEQ ID NOS: 33
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; ORGANISM: Homo sapiens
US-11-112-304A-20

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Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      11 DPAV 14
Db      7 DPAV 10

RESULT 99
US-11-049-536-464
; Sequence 464, Application US/11049536
; Publication No. US20060024297A1
; GENERAL INFORMATION:
; APPLICANT: Wood, Clive R.
; APPLICANT: Dransfield, Daniel T.
; APPLICANT: Pieters, Henk
; APPLICANT: Hoet, Rene
; APPLICANT: Hufton, Simon E.
; TITLE OF INVENTION: TIE COMPLEX BINDING PROTEINS
; FILE REFERENCE: 10280-128001
; CURRENT APPLICATION NUMBER: US/11/049,536
; CURRENT FILING DATE: 2005-02-02
; PRIOR APPLICATION NUMBER: US 10/916,840
; PRIOR FILING DATE: 2004-08-12
; PRIOR APPLICATION NUMBER: US 60/494,713
; PRIOR FILING DATE: 2003-08-12
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; ORGANISM: ARTIFICIAL SEQUENCE
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US-11-049-536-464

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Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      11 DPAV 14
Db      7 DPAV 10

RESULT 100
US-11-049-536-540
; Sequence 540, Application US/11049536
; Publication No. US20060024297A1
; GENERAL INFORMATION:
; APPLICANT: Wood, Clive R.
; APPLICANT: Dransfield, Daniel T.
; APPLICANT: Pieters, Henk
; APPLICANT: Hoet, Rene
; APPLICANT: Hufton, Simon E.
; TITLE OF INVENTION: TIE COMPLEX BINDING PROTEINS
; FILE REFERENCE: 10280-128001
; CURRENT APPLICATION NUMBER: US/11/049,536
; CURRENT FILING DATE: 2005-02-02
; PRIOR APPLICATION NUMBER: US 10/916,840
; PRIOR FILING DATE: 2004-08-12
; PRIOR APPLICATION NUMBER: US 60/494,713
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US-11-049-536-540

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Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      11 DPAV 14
Db      7 DPAV 10
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Title: US-10-030-937-68

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120 5 31.2 368 2 US-09-000-092-10 Sequence 10, Appli
121 5 31.2 373 2 US-08-685-466C-2 Sequence 2, Appli
122 5 31.2 377 2 US-09-198-452A-1000 Sequence 1000, Ap
123 5 31.2 378 2 US-09-248-796A-26019 Sequence 26019, A
124 5 31.2 381 2 US-09-569-611C-47 Sequence 47, Appli
125 5 31.2 384 2 US-09-438-185A-930 Sequence 930, App
126 5 31.2 385 1 US-08-516-801-2 Sequence 2, Appli
127 5 31.2 385 2 US-08-248-355-2 Sequence 2, Appli
128 5 31.2 385 2 US-09-167-206-16 Sequence 16, Appli
129 5 31.2 385 4 PCT-US95-06683-2 Sequence 2, Appli
130 5 31.2 386 2 US-09-252-991A-19227 Sequence 19227, A
131 5 31.2 386 2 US-09-489-039A-13352 Sequence 13352, A
132 5 31.2 393 2 US-09-543-681A-6487 Sequence 6487, Ap
133 5 31.2 395 2 US-09-902-540-9751 Sequence 9751, Ap
134 5 31.2 399 2 US-09-949-016-10810 Sequence 10810, A
135 5 31.2 405 2 US-09-902-540-13027 Sequence 13027, A
136 5 31.2 413 2 US-09-723-546-11 Sequence 11, Appli
137 5 31.2 415 2 US-08-795-430-11 Sequence 11, Appli
138 5 31.2 415 2 US-09-355-700-11 Sequence 11, Appli
139 5 31.2 415 2 US-08-601-132-41 Sequence 41, Appli
140 5 31.2 415 2 US-08-671-573B-41 Sequence 41, Appli
141 5 31.2 415 2 US-09-631-092B-41 Sequence 41, Appli
142 5 31.2 415 2 US-09-534-376A-11 Sequence 11, Appli
143 5 31.2 419 2 US-09-270-767-46795 Sequence 46795, A
144 5 31.2 421 2 US-09-843-598-9 Sequence 9, Appli
145 5 31.2 434 2 US-09-252-991A-26737 Sequence 26737, A
146 5 31.2 447 2 US-09-902-540-10768 Sequence 10768, A
147 5 31.2 451 2 US-09-642-000-2 Sequence 2, Appli
148 5 31.2 459 1 US-08-087-732-2 Sequence 2, Appli
149 5 31.2 459 6 5210189-2 Patent No. 5210189
150 5 31.2 461 2 US-09-252-991A-24717 Sequence 24717, A
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ALIGNMENTS

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RESULT 1
US-09-183-841-2
; Sequence 2, Application US/09183841
; Patent No. 6423680
; GENERAL INFORMATION:
; APPLICANT: Hospital for Sick Children
; TITLE OF INVENTION: A No. 6423680el Inhibitor of Platelet Activating Factor
; FILE REFERENCE: vanz0010
; CURRENT APPLICATION NUMBER: US/09/183,841
; CURRENT FILING DATE: 1998-10-30
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
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; LENGTH: 178
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: His tag at residues 1 to 17
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; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: amino acid
; OTHER INFORMATION: sequence of GM2 protein using His6 tag
US-09-183-841-2
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Query Match 56.2%; Score 9; DB 2; Length 178;
Best Local Similarity 100.0%; Pred. No. 0.011;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 8 EGKDPVAVR 16
Db 26 EGKDPVAVR 34
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RESULT 2

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US-09-183-841-1
; Sequence 1, Application US/09183841
; Patent No. 6423680
; GENERAL INFORMATION:
; APPLICANT: Hospital for Sick Children
; TITLE OF INVENTION: A No. 6423680el Inhibitor of Platelet Activating Factor
; FILE REFERENCE: vanz0010
; CURRENT APPLICATION NUMBER: US/09/183,841
; CURRENT FILING DATE: 1998-10-30
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 193
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SIGNAL
; LOCATION: (33)..(55)
; FEATURE:
; OTHER INFORMATION: residues 56-63 are included in a further precursor
; OTHER INFORMATION: form of the protein
US-09-183-841-1
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Query Match 56.2%; Score 9; DB 2; Length 193;
Best Local Similarity 100.0%; Pred. No. 0.012;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 8 EGKDPVAVR 16
Db 41 EGKDPVAVR 49
|||||
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RESULT 3

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US-09-252-991A-18412
; Sequence 18412, Application US/09252991A
; Patent No. 6551795
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; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 18412
; LENGTH: 127
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-18412
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Query Match 37.5%; Score 6; DB 2; Length 127;
Best Local Similarity 100.0%; Pred. No. 15;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Oy 8 EGDPA 13
Db 4 EGDPA 9

RESULT 4
US-09-248-796A-16879
; Sequence 16879, Application US/09248796A
; Patent No. 6747137
; GENERAL INFORMATION:
; APPLICANT: Keith Weinstein et al
; TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.132
; CURRENT APPLICATION NUMBER: US/09/248,796A
; PRIOR FILING DATE: 1999-02-12
; PRIOR APPLICATION NUMBER: US 60/074,725
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: US 60/096,409
; PRIOR FILING DATE: 1998-08-13
; NUMBER OF SEQ ID NOS: 28208
; SEQ ID NO 16879
; LENGTH: 185
; TYPE: PRT
; ORGANISM: Candida albicans
US-09-248-796A-16879

Query Match 37.5%; Score 6; DB 2; Length 185;
Best Local Similarity 100.0%; Pred. No. 21;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 10 KDPAPI 15
Db 171 KDPAPI 176

RESULT 5
US-09-541-759-7
; Sequence 7, Application US/09541759
; Patent No. 6723322
; GENERAL INFORMATION:
; APPLICANT: Lustigman, Sara
; APPLICANT: Pearlman, Eric
; APPLICANT: Unnasch, Thomas
; TITLE OF INVENTION: ANGIOGENIC ONCHOCERCA VOLVULUS PROTEINS AND USES THEREOF
; FILE REFERENCE: 63475/252
; CURRENT APPLICATION NUMBER: US/09/541,759
; CURRENT FILING DATE: 2000-04-03
; NUMBER OF SEQ ID NOS: 21
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 7
; LENGTH: 243
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-541-759-7

Query Match 37.5%; Score 6; DB 2; Length 243;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 8 EGDPA 13
Db 20 EGDPA 25

RESULT 6
US-09-949-016-7490
; Sequence 7490, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
```

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; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7490
; LENGTH: 257
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-7490

Query Match 37.5%; Score 6; DB 2; Length 257;
Best Local Similarity 100.0%; Pred. No. 29;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 8 EGDPA 13
Db 34 EGDPA 39

RESULT 7
US-08-534-910B-6
; Sequence 6, Application US/08534910B
; Patent No. 5766911
; GENERAL INFORMATION:
; APPLICANT: KOIKE, Ayumi
; APPLICANT: OBATA, Shusei
; APPLICANT: NISHINO, Tokuzo
; APPLICANT: OHNUMA, Shinichi
; APPLICANT: NAKAZAWA, Takeshi
; APPLICANT: OGURA, Kyozeo
; APPLICANT: KOYAMA, Tanetoshi
; TITLE OF INVENTION: Mutated Farnesylidiphosphate Synthase Capable
; OF SYNTHESIZING GERANYLGERANYLDIPHOSPHATE AND GENE CODING THEREOF
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Kenyon & Kenyon
; STREET: 1025 Connecticut Avenue, N.W., Suite 600
; CITY: Washington
; STATE: DC
; COUNTRY: U.S.
; ZIP: 20036-5405
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.25" Floppy Disk
; COMPUTER: IBM PC Compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS 6.2
; SOFTWARE: IBM/Word Perfect 6.1 Windows
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/534,910B
; FILING DATE: 28-SEPT-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 7-25253
; FILING DATE: 14-FEB-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Toffenetti, Judith L.
; REGISTRATION NUMBER: 39,048
; REFERENCE/DOCKET NUMBER: 77670/398
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)429-1776
; TELEFAX: (202)429-0796
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 297 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
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; ORIGINAL SOURCE:
; ORGANISM: Bacillus stearothermophilus
; US-08-534-910B-6

Query Match          37.5%; Score 6; DB 1; Length 297;
Best Local Similarity 100.0%; Pred. No. 33;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 GKDPV 14
Db 62 GKDPV 67

RESULT 8
US-08-534-910B-7
; Sequence 7, Application US/08534910B
; Patent No. 5766911
; GENERAL INFORMATION:
; APPLICANT: KOIKE, Ayumi
; APPLICANT: OBATA, Shusei
; APPLICANT: NISHINO, Tokuzo
; APPLICANT: OHNUMA, Shinichi
; APPLICANT: NAKAZAWA, Takeshi
; APPLICANT: OGURA, Kyoza
; APPLICANT: KOYAMA, Tanetoshi
; TITLE OF INVENTION: Mutated Farnesylidiphosphate Synthase Capable
; TITLE OF INVENTION: Of Synthesizing Geranylgeranylphosphate And Gene Coding Ther
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Kenyon & Kenyon
; STREET: 1025 Connecticut Avenue, N.W., Suite 600
; CITY: Washington
; STATE: DC
; COUNTRY: U.S.
; ZIP: 20036-5405
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.25" Floppy Disk
; COMPUTER: IBM PC Compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS 6.2
; SOFTWARE: IBM/Word Perfect 6.1 Windows
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/534,910B
; FILING DATE: 28-SEPT-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 7-25253
; FILING DATE: 14-FEB-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Toffenetti, Judith L.
; REGISTRATION NUMBER: 39,048
; REFERENCE/DOCKET NUMBER: 77670/398
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)429-1776
; TELEFAX: (202)429-0796
; APPLICATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 297 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; ORIGINAL SOURCE:
; ORGANISM: Bacillus stearothermophilus
; US-08-534-910B-7

Query Match          37.5%; Score 6; DB 1; Length 297;
Best Local Similarity 100.0%; Pred. No. 33;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 GKDPV 14
Db 62 GKDPV 67
```

```
RESULT 9
US-08-534-910B-8
; Sequence 8, Application US/08534910B
; Patent No. 5766911
; GENERAL INFORMATION:
; APPLICANT: KOIKE, Ayumi
; APPLICANT: OBATA, Shusei
; APPLICANT: NISHINO, Tokuzo
; APPLICANT: OHNUMA, Shinichi
; APPLICANT: NAKAZAWA, Takeshi
; APPLICANT: OGURA, Kyoza
; APPLICANT: KOYAMA, Tanetoshi
; TITLE OF INVENTION: Mutated Farnesylidiphosphate Synthase Capable
; TITLE OF INVENTION: Of Synthesizing Geranylgeranylphosphate And Gene Coding Ther
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Kenyon & Kenyon
; STREET: 1025 Connecticut Avenue, N.W., Suite 600
; CITY: Washington
; STATE: DC
; COUNTRY: U.S.
; ZIP: 20036-5405
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.25" Floppy Disk
; COMPUTER: IBM PC Compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS 6.2
; SOFTWARE: IBM/Word Perfect 6.1 Windows
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/534,910B
; FILING DATE: 28-SEPT-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 7-25253
; FILING DATE: 14-FEB-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Toffenetti, Judith L.
; REGISTRATION NUMBER: 39,048
; REFERENCE/DOCKET NUMBER: 77670/398
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)429-1776
; TELEFAX: (202)429-0796
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 297 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; ORIGINAL SOURCE:
; ORGANISM: Bacillus stearothermophilus
; US-08-534-910B-8

Query Match          37.5%; Score 6; DB 1; Length 297;
Best Local Similarity 100.0%; Pred. No. 33;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 GKDPV 14
Db 62 GKDPV 67

RESULT 10
US-08-534-910B-9
; Sequence 9, Application US/08534910B
; Patent No. 5766911
; GENERAL INFORMATION:
; APPLICANT: KOIKE, Ayumi
; APPLICANT: OBATA, Shusei
; APPLICANT: NISHINO, Tokuzo
; APPLICANT: OHNUMA, Shinichi
; APPLICANT: NAKAZAWA, Takeshi
; APPLICANT: OGURA, Kyoza
; APPLICANT: KOYAMA, Tanetoshi
; TITLE OF INVENTION: Mutated Farnesylidiphosphate Synthase Capable
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; SOFTWARE: IBM/Word Perfect 6.1 Windows
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/534,910B
; FILING DATE: 28-SEPT-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 7-25253
; FILING DATE: 14-FEB-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Toffenetti, Judith L.
; REGISTRATION NUMBER: 39,048
; REFERENCE/DOCKET NUMBER: 77670/398
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)429-1776
; TELEFAX: (202)429-0796
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 297 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; ORIGINAL SOURCE:
; ORGANISM: Bacillus stearothermophilus
; US-08-534-910B-10

Query Match 37.5%; Score 6; DB 1; Length 297;
Best Local Similarity 100.0%; Pred. No. 33;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 GKDPDV 14
DB 62 GKDPDV 67

RESULT 12
US-08-886-466-2
; Sequence 2, Application US/08886466C
; Patent No. 6040165
; GENERAL INFORMATION:
; APPLICANT: Narita, Keishi
; APPLICANT: Ishida, Chika
; APPLICANT: Takeuchi, Yoshie
; APPLICANT: Ohto, Chikara
; APPLICANT: Ohnuma, Shinichi
; APPLICANT: Nishino, Tokuzo
; TITLE OF INVENTION: MUTANT PRENYL DIPHOSPHATE SYNTHASE
; FILE REFERENCE: 77670/494
; CURRENT APPLICATION NUMBER: US/08/886,466C
; CURRENT FILING DATE: 1997-07-10
; EARLIER APPLICATION NUMBER: JP 8-191635
; EARLIER FILING DATE: 1996-07-03
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 297
; TYPE: PRT
; ORGANISM: Bacillus stearothermophilus
; US-08-886-466-2

Query Match 37.5%; Score 6; DB 2; Length 297;
Best Local Similarity 100.0%; Pred. No. 33;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 GKDPDV 14
DB 62 GKDPDV 67

RESULT 13
US-09-475-304-2
; Sequence 2, Application US/09475304
; Patent No. 6225096
; GENERAL INFORMATION:

```

```
; APPLICANT: Narita, Keishi
; APPLICANT: Ishida, Chika
; APPLICANT: Takeuchi, Yoshie
; APPLICANT: Ohto, Chikara
; APPLICANT: Ohnuma, Shinichi
; APPLICANT: Nishino, Tokuzo
; TITLE OF INVENTION: MUTANT PRENYL DIPHOSPHATE SYNTHASE
; FILE REFERENCE: 77670/494
; CURRENT APPLICATION NUMBER: US/09/475,304
; CURRENT FILING DATE: 1999-12-30
; EARLIER APPLICATION NUMBER: JP 8-191635
; EARLIER FILING DATE: 1996-07-03
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 297
; TYPE: PRT
; ORGANISM: Bacillus stearothermophilus
; US-09-475-304-2

Query Match          37.5%; Score 6; DB 2; Length 297;
Best Local Similarity 100.0%; Pred. No. 33;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 GKDPV 14
Db 62 GKDPV 67

RESULT 14
US-09-101-126-3
; Sequence 3, Application US/09101126
; Patent No. 6316216
; GENERAL INFORMATION:
; APPLICANT: OHTO, CHIKARA
; APPLICANT: NAKANE, HIROYUKI
; APPLICANT: NISHINO, TOKUZO
; APPLICANT: OHNUMA, SHINICHI
; APPLICANT: HIROOKA, KAZUTAKE
; TITLE OF INVENTION: MUTATED PRENYL DIPHOSPHATE SYNTHASES
; FILE REFERENCE: 77670/566
; CURRENT APPLICATION NUMBER: US/09/101,126
; CURRENT FILING DATE: 1999-04-27
; EARLIER APPLICATION NUMBER: PCT/JP97/03921
; EARLIER FILING DATE: 1997-10-29
; EARLIER APPLICATION NUMBER: JP 8-307506
; EARLIER FILING DATE: 1996-11-05
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 297
; TYPE: PRT
; ORGANISM: Bacillus stearothermophilus
; FEATURE:
; OTHER INFORMATION: 86-92 is an Asp-rich domain
; US-09-101-126-3

Query Match          37.5%; Score 6; DB 2; Length 297;
Best Local Similarity 100.0%; Pred. No. 33;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 GKDPV 14
Db 62 GKDPV 67

RESULT 15
US-09-367-528A-1
; Sequence 1, Application US/09367528A
; Patent No. 6395525
; GENERAL INFORMATION:
; APPLICANT: TOYOTA JIDOSHA KABUSHIKI KAISHA
; TITLE OF INVENTION: Geranyl Diphosphate Synthetase Gene
; FILE REFERENCE: PH-586
; CURRENT APPLICATION NUMBER: US/09/367,528A
; CURRENT FILING DATE: 1999-08-16
; PRIOR APPLICATION NUMBER: JP97/346686
; PRIOR FILING DATE: 1997-12-16
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 297
; TYPE: PRT
; US-09-367-528A-1

Query Match          37.5%; Score 6; DB 2; Length 297;
Best Local Similarity 100.0%; Pred. No. 33;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 GKDPV 14
Db 62 GKDPV 67

RESULT 16
US-09-367-528A-3
; Sequence 3, Application US/09367528A
; Patent No. 6395525
; GENERAL INFORMATION:
; APPLICANT: TOYOTA JIDOSHA KABUSHIKI KAISHA
; TITLE OF INVENTION: Geranyl Diphosphate Synthetase Gene
; FILE REFERENCE: PH-586
; CURRENT APPLICATION NUMBER: US/09/367,528A
; CURRENT FILING DATE: 1999-08-16
; PRIOR APPLICATION NUMBER: JP97/346686
; PRIOR FILING DATE: 1997-12-16
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 297
; TYPE: PRT
; ORGANISM: Bacillus stearothermophilus
; US-09-367-528A-3

Query Match          37.5%; Score 6; DB 2; Length 297;
Best Local Similarity 100.0%; Pred. No. 33;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 GKDPV 14
Db 62 GKDPV 67

RESULT 17
US-09-367-528A-5
; Sequence 5, Application US/09367528A
; Patent No. 6395525
; GENERAL INFORMATION:
; APPLICANT: TOYOTA JIDOSHA KABUSHIKI KAISHA
; TITLE OF INVENTION: Geranyl Diphosphate Synthetase Gene
; FILE REFERENCE: PH-586
; CURRENT APPLICATION NUMBER: US/09/367,528A
; CURRENT FILING DATE: 1999-08-16
; PRIOR APPLICATION NUMBER: JP97/346686
; PRIOR FILING DATE: 1997-12-16
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 297
; TYPE: PRT
; US-09-367-528A-5
```



```

; NAME: Thomas M. Galgano
; REGISTRATION NUMBER: 27,638
; REFERENCE/DOCKET NUMBER: SCHMID ET AL-W2
; NAME: Edward R. Freedman
; REGISTRATION NUMBER: 26,048
; REFERENCE/DOCKET NUMBER: SCHMID ET AL-W2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 516-365-9802
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 25 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-07-706-699-1

Query Match 31.2%; Score 5; DB 1; Length 25;
Best Local Similarity 100.0%; Pred.No. 45;
Matches 5; Conservative 0; Mismatches 0; Indels

Qy 1 FSWDN 5
DB 14 FSWDN 18

RESULT 20
US-07-998-931-1
; Sequence 1, Application US/07998931
; Patent No. 5304723
; GENERAL INFORMATION:
; APPLICANT: Schmid; Candussio; Bck
; TITLE OF INVENTION: Malopentase Producing Amylases
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Collard, Roe & Galgano, P.C.
; STREET: 1077 No. 5304723thern Boulevard
; CITY: Roslyn
; STATE: New York
; COUNTRY: USA
; ZIP: 11576
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy Disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WordPerfect 5.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/998,931
; FILING DATE: 19921229
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GR 40 17 595.2
; FILING DATE: 31 MAY 1990
; ATTORNEY/AGENT INFORMATION:
; NAME: Allison C. Collard
; REGISTRATION NUMBER: 22,532
; REFERENCE/DOCKET NUMBER: SCHMID ET AL-W2
; NAME: Thomas M. Galgano
; REGISTRATION NUMBER: 27,638
; REFERENCE/DOCKET NUMBER: SCHMID ET AL-W2
; NAME: Edward R. Freedman
; REGISTRATION NUMBER: 26,048
; REFERENCE/DOCKET NUMBER: SCHMID ET AL-W2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 516-365-9802
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 25 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-07-998-931-1

Query Match 31.2%; Score 5; DB 1; Length 25;

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; FILING DATE: 26-NOV-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Einhorn, Gregory P.
; REGISTRATION NUMBER: 38,440
; REFERENCE/DOCKET NUMBER: 015389-003110US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 52:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 25 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-09-042-460-52

Query Match 31.2%; Score 5; DB 2; Length 25;
Best Local Similarity 100.0%; Pred. No. 45;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 PAVIR 16
Db 14 PAVIR 18

RESULT 22
US-08-851-843A-155
; Sequence 155, Application US/08851843A
; Patent No. 6093809
; GENERAL INFORMATION:
; APPLICANT: Cech, Thomas R.
; APPLICANT: Lingner, Joachim
; APPLICANT: Nakamura, Toru
; APPLICANT: Chapman, Karen B.
; APPLICANT: Morin, Gregg B.
; APPLICANT: Harley, Calvin
; APPLICANT: Andrews, William H.
; TITLE OF INVENTION: No. 6093809el Telomerase
; NUMBER OF SEQUENCES: 225
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: United States of America
; ZIP: 94111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/851,843A
; FILING DATE: 06-MAY-1997
; CLASSIFICATION:
; PRIOR APPLICATION NUMBER: US 08/846,017
; FILING DATE: 25-APR-1997
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/844,419
; FILING DATE: 18-APR-1997
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/724,643
; FILING DATE: 01-OCT-1996
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Apple, Randolph T.
; REGISTRATION NUMBER: 36,429
; REFERENCE/DOCKET NUMBER: 015389-002930US
; TELECOMMUNICATION INFORMATION:
;
;
; FILING DATE: 26-NOV-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Einhorn, Gregory P.
; REGISTRATION NUMBER: 38,440
; REFERENCE/DOCKET NUMBER: 015389-003110US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 52:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 25 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-09-042-460-52

Query Match 31.2%; Score 5; DB 2; Length 25;
Best Local Similarity 100.0%; Pred. No. 45;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 PAVIR 16
Db 14 PAVIR 18

RESULT 21
US-09-042-460-52
; Sequence 52, Application US/09042460
; Patent No. 6767719
; GENERAL INFORMATION:
; APPLICANT: Morin, Gregg B.
; APPLICANT: Allsopp, Richard
; APPLICANT: Depinho, Ronald
; APPLICANT: Greenberg, Roger
; TITLE OF INVENTION: Mouse Telomerase Reverse Transcriptase
; NUMBER OF SEQUENCES: 101
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/042,460
; FILING DATE: 16-MAR-1998
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/724,643
; FILING DATE: 01-OCT-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/844,419
; FILING DATE: 18-APR-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/846,017
; FILING DATE: 25-APR-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/851,843
; FILING DATE: 06-MAY-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/854,050
; FILING DATE: 09-MAY-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/911,312
; FILING DATE: 14-AUG-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/912,951
; FILING DATE: 14-AUG-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/915,503
; FILING DATE: 14-AUG-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/US97/17618
; FILING DATE: 01-OCT-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/US97/17805
; FILING DATE: 01-OCT-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/974,549
; FILING DATE: 19-NOV-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/974,584
; FILING DATE: 19-NOV-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/979,742
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TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 155:
SEQUENCE CHARACTERISTICS:
LENGTH: 30 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:
NAME/KEY: Peptide
LOCATION: 1..30
OTHER INFORMATION: /note= "motif 0 peptide from Schizosaccharomyces pombe tez1"
US-08-851-843A-155

Query Match 31.2%; Score 5; DB 2; Length 30;
Best Local Similarity 100.0%; Pred.No. 53;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 PAVIR 16
Db 7 PAVIR 11

RESULT 23
US-08-974-549A-275
Sequence 275, Application US/08974549A
Patent No. 6166178
GENERAL INFORMATION:
APPLICANT: Cech, Thomas R.
APPLICANT: Lingner, Joachim
APPLICANT: Nakamura, Toru
APPLICANT: Chapman, Karen B.
APPLICANT: Morin, Gregg B.
APPLICANT: Harley, Calvin B.
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Human Telomerase Catalytic Subunit
NUMBER OF SEQUENCES: 727
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/974,549A
FILING DATE: 19-NOV-1997
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/724,643
FILING DATE: 01-OCT-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/844,419
FILING DATE: 18-APR-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/846,017
FILING DATE: 25-APR-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/851,843
FILING DATE: 06-MAY-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/854,050
FILING DATE: 09-MAY-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/911,312
FILING DATE: 14-AUG-1997

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/912,951
FILING DATE: 14-AUG-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/915,503
FILING DATE: 14-AUG-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US97/17618
FILING DATE: 01-OCT-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US97/17885
FILING DATE: 01-OCT-1997
ATTORNEY/AGENT INFORMATION:
NAME: Apple, Randolph Ted
REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 015389-002610US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 275:
SEQUENCE CHARACTERISTICS:
LENGTH: 30 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:
NAME/KEY: Peptide
LOCATION: 1..30
OTHER INFORMATION: /note= "motif 0 peptide from Schizosaccharomyces pombe tez1"
US-08-974-549A-275

Query Match 31.2%; Score 5; DB 2; Length 30;
Best Local Similarity 100.0%; Pred.No. 53;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 PAVIR 16
Db 7 PAVIR 11

RESULT 24
US-08-854-050-155
Sequence 155, Application US/08854050
Patent No. 6261836
GENERAL INFORMATION:
APPLICANT: Cech, Thomas R.
APPLICANT: Lingner, Joachim
APPLICANT: Nakamura, Toru
APPLICANT: Chapman, Karen B.
APPLICANT: Morin, Gregg B.
APPLICANT: Harley, Calvin
APPLICANT: Andrews, William H.
TITLE OF INVENTION: No. 6261836el Telomerase
NUMBER OF SEQUENCES: 225
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
STATE: California
COUNTRY: United States of America
ZIP: 94111
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/854,050
FILING DATE: 09-MAY-1997
CLASSIFICATION: 536
PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/851,843
; FILING DATE: 06-MAY-1997
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/846,017
; FILING DATE: 25-APR-1997
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/844,419
; FILING DATE: 18-APR-1997
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/724,643
; FILING DATE: 01-OCT-1996
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Apple, Randolph T.
; REGISTRATION NUMBER: 36,429
; REFERENCE/DOCKET NUMBER: 015389-002930US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 155:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 30 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Peptide
; LOCATION: 1..30
; OTHER INFORMATION: /note= "motif 0 peptide from
; Schizosaccharomyces pombe tez1"
; US-08-854-050-155

Query Match 31.2%; Score 5; DB 2; Length 30;
Best Local Similarity 100.0%; Pred. No. 53;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 PAVIR 16
Db 7 PAVIR 11

RESULT 25
US-09-430-323-155
; Sequence 155, Application US/09430323
; Patent No. 6309867
; GENERAL INFORMATION:
; APPLICANT: Cech, Thomas R.
; Lingner, Joachim
; Nakamura, Toru
; Chapman, Karen B.
; Morin, Gregg B.
; Harley, Calvin
; Andrews, William H.
; TITLE OF INVENTION: No. 6309867el Telomerase
; NUMBER OF SEQUENCES: 225
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: United States of America
; ZIP: 94111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/430,323

; FILING DATE: 29-Oct-1999
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/854,050
; FILING DATE: 09-MAY-1997
; APPLICATION NUMBER: US 08/851,843
; FILING DATE: 06-MAY-1997
; APPLICATION NUMBER: US 08/846,017
; FILING DATE: 25-APR-1997
; APPLICATION NUMBER: US 08/844,419
; FILING DATE: 18-APR-1997
; APPLICATION NUMBER: US 08/724,643
; FILING DATE: 01-OCT-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Apple, Randolph T.
; REGISTRATION NUMBER: 36,429
; REFERENCE/DOCKET NUMBER: 015389-002930US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 155:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 30 amino acids
; TYPE: amino acid
; STRANDEDNESS: <Unknown>
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Peptide
; LOCATION: 1..30
; OTHER INFORMATION: /note= "motif 0 peptide from
; Schizosaccharomyces pombe tez1"
; US-09-430-323-155

Query Match 31.2%; Score 5; DB 2; Length 30;
Best Local Similarity 100.0%; Pred. No. 53;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 PAVIR 16
Db 7 PAVIR 11

RESULT 26
US-09-402-181B-275
; Sequence 275, Application US/09402181B
; Patent No. 8610839
; GENERAL INFORMATION:
; APPLICANT: Cech, Thomas R.
; Lingner, Joachim
; Nakamura, Toru
; Chapman, Karen B.
; Morin, Gregg B.
; Harley, Calvin B.
; Andrews, William H.
; TITLE OF INVENTION: Human Telomerase Catalytic Subunit
; NUMBER OF SEQUENCES: 633
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/402,181B
; FILING DATE: 29-Sep-1997

CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/724,643
FILING DATE: 01-OCT-1996
APPLICATION NUMBER: US 08/844,419
FILING DATE: 18-APR-1997
APPLICATION NUMBER: US 08/846,017
FILING DATE: 25-APR-1997
APPLICATION NUMBER: US 08/851,843
FILING DATE: 06-MAY-1997
APPLICATION NUMBER: US 08/854,050
FILING DATE: 09-MAY-1997
APPLICATION NUMBER: US 08/911,312
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: US 08/912,951
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: US 08/915,503
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: WO PCT/US97/17885
FILING DATE: 01-OCT-1997
ATTORNEY/AGENT INFORMATION:
NAME: Ausenhus, Scott L.
REGISTRATION NUMBER: 42,271
REFERENCE/DOCKET NUMBER: 015389-002620US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 275:
SEQUENCE CHARACTERISTICS:
LENGTH: 30 amino acids
TYPE: amino acid
STRANDEDNESS: <Unknown>
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:
NAME/KEY: Peptide
LOCATION: 1..30
OTHER INFORMATION: /note= "motif 0 peptide from Schizosaccharomyces pombe te21"
SEQUENCE DESCRIPTION: SEQ ID NO: 275:
US-09-402-181B-275
Query Match 31.2%; Score 5; DB 2; Length 30;
Best Local Similarity 100.0%; Pred. No. 53;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Oy 12 PAVIR 16
Db 7 PAVIR 11
RESULT 27
US-09-721-456-275
Sequence 275, Application US/09721456
Patent No. 6617110
GENERAL INFORMATION:
APPLICANT: Cech, Thomas R.
Lingner, Joachim
Nakamura, Toru
Chapman, Karen B.
Morin, Gregg B.
Harley, Calvin B.
Andrews, William H.
TITLE OF INVENTION: Human Telomerase Catalytic Subunit
NUMBER OF SEQUENCES: 727
CORRESPONDENCE ADDRESS:
ADDRESS: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/721,456
FILING DATE: 22-No. 6617110-2000
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/974,549A
FILING DATE: 19-NOV-1997
APPLICATION NUMBER: US 08/724,643
FILING DATE: 01-OCT-1996
APPLICATION NUMBER: US 08/844,419
FILING DATE: 18-APR-1997
APPLICATION NUMBER: US 08/846,017
FILING DATE: 25-APR-1997
APPLICATION NUMBER: US 08/851,843
FILING DATE: 06-MAY-1997
APPLICATION NUMBER: US 08/854,050
FILING DATE: 09-MAY-1997
APPLICATION NUMBER: US 08/911,312
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: US 08/912,951
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: US 08/915,503
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: WO PCT/US97/17618
FILING DATE: 01-OCT-1997
APPLICATION NUMBER: WO PCT/US97/17885
FILING DATE: 01-OCT-1997
ATTORNEY/AGENT INFORMATION:
NAME: Apple, Randolph Ted
REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 015389-002610US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 275:
SEQUENCE CHARACTERISTICS:
LENGTH: 30 amino acids
TYPE: amino acid
STRANDEDNESS: <Unknown>
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:
NAME/KEY: Peptide
LOCATION: 1..30
OTHER INFORMATION: /note= "motif 0 peptide from Schizosaccharomyces pombe te21"
SEQUENCE DESCRIPTION: SEQ ID NO: 275:
US-09-721-456-275
Query Match 31.2%; Score 5; DB 2; Length 30;
Best Local Similarity 100.0%; Pred. No. 53;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Oy 12 PAVIR 16
Db 7 PAVIR 11
RESULT 28
US-09-766-253-155
Sequence 155, Application US/09766253
Patent No. 6808880
GENERAL INFORMATION:
APPLICANT: Cech, Thomas R.
Lingner, Joachim
Nakamura, Toru
Chapman, Karen B.
Morin, Gregg B.
Harley, Calvin

; Andrews, William H.
; TITLE OF INVENTION: NO. 680880e1 Telomerase
; NUMBER OF SEQUENCES: 171
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: United States of America
; ZIP: 94111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/766,253
; FILING DATE: 19-Jan-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/846,017
; FILING DATE: 1997-04-25
; APPLICATION NUMBER: US 08/724,643
; FILING DATE: 01-OCT-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Apple, Randolph T.
; REGISTRATION NUMBER: 36,429
; REFERENCE/DOCKET NUMBER: 015389-002920US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 155:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 30 amino acids
; TYPE: amino acid
; STRANDEDNESS: <Unknown>
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Peptide
; LOCATION: 1..30
; OTHER INFORMATION: /note= "motif 0 peptide from
; Schizosaccharomyces pombe tezi"
; SEQUENCE DESCRIPTION: SEQ ID NO: 155:
US-09-766-253-155

Query Match 31.2%; Score 5; DB 2; Length 30;
Best Local Similarity 100.0%; Pred. No. 53;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 PAVIR 16
Db 7 PAVIR 11

RESULT 29
US-10-054-295-155
; Sequence 155, Application US/10054295
; Patent No. 6921664
; GENERAL INFORMATION:
; APPLICANT: Cech, Thomas R.
; APPLICANT: Lingner, Joachim
; APPLICANT: Nakamura, Toru
; APPLICANT: Chapman, Karen B.
; APPLICANT: Morin, Gregg B.
; APPLICANT: Harley, Calvin
; APPLICANT: Andrews, William H.
; TITLE OF INVENTION: NO. 6921664e1 Telomerase
; NUMBER OF SEQUENCES: 225
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco

; STATE: California
; COUNTRY: United States of America
; ZIP: 94111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/054,295
; FILING DATE: 18-Jan-2002
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/854,050
; FILING DATE: <Unknown>
; APPLICATION NUMBER: US 08/846,017
; FILING DATE: 25-APR-1997
; APPLICATION NUMBER: US 08/844,419
; FILING DATE: 18-APR-1997
; APPLICATION NUMBER: US 08/724,643
; FILING DATE: 01-OCT-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Apple, Randolph T.
; REGISTRATION NUMBER: 36,429
; REFERENCE/DOCKET NUMBER: 015389-002930US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 155:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 30 amino acids
; TYPE: amino acid
; STRANDEDNESS: <Unknown>
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Peptide
; LOCATION: 1..30
; OTHER INFORMATION: /note= "motif 0 peptide from
; Schizosaccharomyces pombe tezi"
; SEQUENCE DESCRIPTION: SEQ ID NO: 155:
US-10-054-295-155

Query Match 31.2%; Score 5; DB 2; Length 30;
Best Local Similarity 100.0%; Pred. No. 53;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 PAVIR 16
Db 7 PAVIR 11

RESULT 30
US-09-438-486A-155
; Sequence 155, Application US/09438486A
; Patent No. 6927285
; GENERAL INFORMATION:
; APPLICANT: Cech, Thomas R.
; APPLICANT: Lingner, Joachim
; APPLICANT: Nakamura, Toru
; APPLICANT: Chapman, Karen B.
; APPLICANT: Morin, Gregg B.
; APPLICANT: Harley, Calvin
; APPLICANT: Andrews, William H.
; TITLE OF INVENTION: GENE FOR HUMAN TELOMERASE REVERSE TRANSCRIPTASE AND
; FILE OF INVENTION: TELOMERASE VARIANTS
; FILE REFERENCE: 018/062
; CURRENT APPLICATION NUMBER: US/09/438,486A
; PRIOR FILING DATE: 1999-11-12
; PRIOR APPLICATION NUMBER: 08/851,843
; PRIOR FILING DATE: 1997-05-06
; PRIOR APPLICATION NUMBER: 08/846,017
; PRIOR FILING DATE: 1997-04-25

;; PRIOR APPLICATION NUMBER: 08/844,419
;; PRIOR FILING DATE: 1997-04-18
;; PRIOR APPLICATION NUMBER: 08/724,643
;; PRIOR FILING DATE: 1996-10-01
;; NUMBER OF SEQ ID NOS: 223
;; SOFTWARE: PatentIn Ver. 3.2
;; SEQ ID NO 155
;; LENGTH: 30
;; TYPE: PRT
;; ORGANISM: Artificial Sequence
;; FEATURE:
;; OTHER INFORMATION: Description of Artificial Sequence: Recombinant
;; OTHER INFORMATION: amino acid sequence
US-09-438-486A-155

Query Match 31.2%; Score 5; DB 2; Length 30;
Best Local Similarity 100.0%; Pred. No. 53;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 PAVIR 16
|||||
Db 7 PAVIR 11

RESULT 31
US-08-737-716-12
; Sequence 12, Application US/08737716
; Patent No. 5955258
; GENERAL INFORMATION:
; APPLICANT: Girbe BUIST
; APPLICANT: Gerard VENEMA
; APPLICANT: Jan KOK
; APPLICANT: Adrianus Marinus LEDEBOER
; TITLE OF INVENTION: Process for the lysis of a culture of lactic
; acid bacteria by means of a lysin, and uses of the resulting
; lysed culture.
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pillsbury Madison & Sutro, L.L.P.
; STREET: 1100 New York Avenue, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005-3918
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Microsoft Word
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/737,716
; FILING DATE: 22-APR-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/NL95/00170
; FILING DATE: 12-MAY-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP 94201353.3
; FILING DATE: 12-MAY-1994
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 35 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-737-716-12

Query Match 31.2%; Score 5; DB 1; Length 35;
Best Local Similarity 100.0%; Pred. No. 61;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 11 DPAVI 15
|||||

Db 3 DPAVI 7
RESULT 32
US-08-974-549A-25
; Sequence 25, Application US/08974549A
; Patent No. 6166178
; GENERAL INFORMATION:
; APPLICANT: Cech, Thomas R.
; APPLICANT: Lingner, Joachim
; APPLICANT: Nakamura, Toru
; APPLICANT: Chapman, Karen B.
; APPLICANT: Morin, Gregg B.
; APPLICANT: Harley, Calvin B.
; APPLICANT: Andrews, William H.
; TITLE OF INVENTION: Human Telomerase Catalytic Subunit
; NUMBER OF SEQUENCES: 727
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/974,549A
; FILING DATE: 19-NOV-1997
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/724,643
; FILING DATE: 01-OCT-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/844,419
; FILING DATE: 18-APR-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/846,017
; FILING DATE: 25-APR-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/851,843
; FILING DATE: 06-MAY-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/854,050
; FILING DATE: 09-MAY-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/911,312
; FILING DATE: 14-AUG-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/912,951
; FILING DATE: 14-AUG-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/915,503
; FILING DATE: 14-AUG-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/US97/17618
; FILING DATE: 01-OCT-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/US97/17885
; FILING DATE: 01-OCT-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Apple, Randolph Ted
; REGISTRATION NUMBER: 36,429
; REFERENCE/DOCKET NUMBER: 015389-002610US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 25:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 54 amino acids

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; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Peptide
; LOCATION: 1..54
; OTHER INFORMATION: /note= "motif 1 and 2 peptide from
; OTHER INFORMATION: Schizosaccharomyces pombe TRT tezip"
US-08-974-549A-25

Query Match 31.2%; Score 5; DB 2; Length 54;
Best Local Similarity 100.0%; Pred. No. 90;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 PAVIR 16
Db 14 PAVIR 18

RESULT 33
US-08-912-951-25
; Sequence 25, Application US/08912951
; Patent No. 6475789
; GENERAL INFORMATION:
; APPLICANT: Cech, Thomas R.
; APPLICANT: Lingner, Joachim
; APPLICANT: Nakamura, Toru
; APPLICANT: Chapman, Karen B.
; APPLICANT: Morin, Gregg B.
; APPLICANT: Harley, Calvin B.
; APPLICANT: Andrews, William H.
; TITLE OF INVENTION: HUMAN TELOMERASE CATALYTIC SUBUNIT: DIAGNOSTIC AND
; TITLE OF INVENTION: THERAPEUTIC METHODS
; NUMBER OF SEQUENCES: 335
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: United States of America
; ZIP: 94111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/912,951
; FILING DATE: 14-AUG-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/854,050
; FILING DATE: 09-MAY-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/851,843
; FILING DATE: 06-MAY-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/844,419
; FILING DATE: 18-APR-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/724,643
; FILING DATE: 01-OCT-1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Apple, Randolph T.
```

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; REGISTRATION NUMBER: 36,429
; REFERENCE/DOCKET NUMBER: 015389-002600US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 25:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 54 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Peptide
; LOCATION: 1..54
; OTHER INFORMATION: /note= "motif 1 and 2 peptide from
; OTHER INFORMATION: Schizosaccharomyces pombe TRT tezip"
US-08-912-951-25

Query Match 31.2%; Score 5; DB 2; Length 54;
Best Local Similarity 100.0%; Pred. No. 90;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 PAVIR 16
Db 14 PAVIR 18

RESULT 34
US-09-402-181B-25
; Sequence 25, Application US/09402181B
; Patent No. 6610839
; GENERAL INFORMATION:
; APPLICANT: Cech, Thomas R.
; APPLICANT: Lingner, Joachim
; APPLICANT: Nakamura, Toru
; APPLICANT: Chapman, Karen B.
; APPLICANT: Morin, Gregg B.
; APPLICANT: Harley, Calvin B.
; APPLICANT: Andrews, William H.
; TITLE OF INVENTION: Human Telomerase Catalytic Subunit
; NUMBER OF SEQUENCES: 633
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/402,181B
; FILING DATE: 29-Sep-1997
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/724,643
; FILING DATE: 01-OCT-1996
; APPLICATION NUMBER: US 08/844,419
; FILING DATE: 18-APR-1997
; APPLICATION NUMBER: US 08/846,017
; FILING DATE: 25-APR-1997
; APPLICATION NUMBER: US 08/851,843
; FILING DATE: 06-MAY-1997
; APPLICATION NUMBER: US 08/854,050
; FILING DATE: 09-MAY-1997
; APPLICATION NUMBER: US 08/911,312
; FILING DATE: 14-AUG-1997
; APPLICATION NUMBER: US 08/912,951
; FILING DATE: 14-AUG-1997
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;
; APPLICATION NUMBER: US 08/915,503
; FILING DATE: 14-AUG-1997
; APPLICATION NUMBER: WO PCT/US97/17885
; FILING DATE: 01-OCT-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ausehus, Scott L.
; REGISTRATION NUMBER: 42,271
; REFERENCE/DOCKET NUMBER: 015389-002620US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 25:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 54 amino acids
; TYPE: amino acid
; STRANDEDNESS: <Unknown>
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Peptide
; LOCATION: 1..54
; OTHER INFORMATION: /note= "motif 1 and 2 peptide from
; Schizosaccharomyces pombe TRT tezip"
; SEQUENCE DESCRIPTION: SEQ ID NO: 25:
US-09-402-181B-25

Query Match 31.2%; Score 5; DB 2; Length 54;
Best Local Similarity 100.0%; Pred. No. 90;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 PAVIR 16
Db 14 PAVIR 18

RESULT 35
US-09-721-456-25
; Sequence 25, Application US/09721456
; Patent No. 6617110
; GENERAL INFORMATION:
; APPLICANT: Cech, Thomas R.
; Lingner, Joachim
; Nakamura, Toru
; Chapman, Karen B.
; Morin, Gregg B.
; Harley, Calvin B.
; Andrews, William H.
; TITLE OF INVENTION: Human Telomerase Catalytic Subunit
; NUMBER OF SEQUENCES: 727
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/721,456
; FILING DATE: 23-No. 6617110-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/974,549A
; FILING DATE: 13-NOV-1997
; APPLICATION NUMBER: US 08/724,643
; FILING DATE: 01-OCT-1996
; APPLICATION NUMBER: US 08/844,419
; FILING DATE: 18-APR-1997
; APPLICATION NUMBER: US 08/846,017
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;
; FILING DATE: 25-APR-1997
; APPLICATION NUMBER: US 08/851,843
; FILING DATE: 06-MAY-1997
; APPLICATION NUMBER: US 08/854,050
; FILING DATE: 09-MAY-1997
; APPLICATION NUMBER: US 08/911,312
; FILING DATE: 14-AUG-1997
; APPLICATION NUMBER: US 08/912,951
; FILING DATE: 14-AUG-1997
; APPLICATION NUMBER: US 08/915,503
; FILING DATE: 14-AUG-1997
; APPLICATION NUMBER: WO PCT/US97/17618
; FILING DATE: 01-OCT-1997
; APPLICATION NUMBER: WO PCT/US97/17885
; FILING DATE: 01-OCT-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Apple, Randolph Ted
; REGISTRATION NUMBER: 36,429
; REFERENCE/DOCKET NUMBER: 015389-002610US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 25:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 54 amino acids
; TYPE: amino acid
; STRANDEDNESS: <Unknown>
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Peptide
; LOCATION: 1..54
; OTHER INFORMATION: /note= "motif 1 and 2 peptide from
; Schizosaccharomyces pombe TRT tezip"
; SEQUENCE DESCRIPTION: SEQ ID NO: 25:
US-09-721-456-25

Query Match 31.2%; Score 5; DB 2; Length 54;
Best Local Similarity 100.0%; Pred. No. 90;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 PAVIR 16
Db 14 PAVIR 18

RESULT 36
US-09-205-258-774
; Sequence 774, Application US/09205258
; Patent No. 6525174
; GENERAL INFORMATION:
; APPLICANT: Young et al.
; TITLE OF INVENTION: 207 Human Secreted Proteins
; FILE REFERENCE: P2007P1
; CURRENT APPLICATION NUMBER: US/09/205,258
; CURRENT FILING DATE: 1998-12-04
; EARLIER APPLICATION NUMBER: PCT/US98/11422
; EARLIER FILING DATE: 1998-06-04
; EARLIER APPLICATION NUMBER: 60/048,885
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,375
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,881
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,880
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,896
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,020
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,876
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,895
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EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/048,884
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/048,894
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/048,971
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/048,964
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/048,882
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/048,899
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/048,893
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/048,900
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/048,901
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/048,892
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/048,915
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/049,019
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/048,970
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/048,972
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/048,916
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/049,373
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/048,875
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/049,374
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/048,917
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/048,949
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/048,974
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/048,883
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/048,897
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/048,898
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/048,962
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/048,963
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/048,877
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/048,878
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/070,923
EARLIER FILING DATE: 1997-12-18
EARLIER APPLICATION NUMBER: 60/092,921
EARLIER FILING DATE: 1998-07-15
EARLIER APPLICATION NUMBER: 60/094,657
EARLIER FILING DATE: 1998-07-30
NUMBER OF SEQ ID NOS: 1227
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 774
LENGTH: 64
TYPE: PRT
ORGANISM: Homo sapiens
US-205-258-774

Query Match 31.2%; Score 5; DB 2; Length 64;
Best Local Similarity 100.0%; Pred. No. 1e+02;

Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 9 GKDPA 13
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Db 43 GKDPA 47
RESULT 37
US-10-004-860-774
Sequence 774, Application US/10004860
Patent No. 6914047
GENERAL INFORMATION:
APPLICANT: Young et al.
TITLE OF INVENTION: 207 Human Secreted Proteins
FILE REFERENCE: PZ007P1
CURRENT APPLICATION NUMBER: US/10/004,860
CURRENT FILING DATE: 2001-12-07
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 1227
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 774
LENGTH: 64
TYPE: PRT
ORGANISM: Homo sapiens
US-10-004-860-774
Query Match 31.2%; Score 5; DB 2; Length 64;
Best Local Similarity 100.0%; Pred. No. 1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 GKDPA 13
|||||
Db 43 GKDPA 47

RESULT 38
US-09-438-185A-1008
Sequence 1008, Application US/09438185A
Patent No. 6822071
GENERAL INFORMATION:
APPLICANT: Stephens, Richard
APPLICANT: Kalman, Sue
APPLICANT: Davis, Ronald
APPLICANT: The Regents of the University of California
TITLE OF INVENTION: Chlamydia Pneumoniae Genome Sequence
FILE REFERENCE: 018941-000411US
CURRENT APPLICATION NUMBER: US/09/438,185A
CURRENT FILING DATE: 2002-03-13
PRIOR APPLICATION NUMBER: US 60/108,279
PRIOR FILING DATE: 1998-11-12
PRIOR APPLICATION NUMBER: US 60/128,606
PRIOR FILING DATE: 1999-04-08
NUMBER OF SEQ ID NOS: 1074
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 1008
LENGTH: 73
TYPE: PRT
ORGANISM: Chlamydia pneumoniae
FEATURE:
OTHER INFORMATION: CPN1007
US-09-438-185A-1008

Query Match 31.2%; Score 5; DB 2; Length 73;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 DPAVI 15
|||||
Db 55 DPAVI 59

RESULT 39

US-09-489-039A-11104
; Sequence 11104, Application US/09489039A
; Patent No. 6610836

; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 11104
; LENGTH: 78
; TYPE: PRT
; ORGANISM: Klebsiella pneumoniae

US-09-489-039A-11104

Query Match 31.2%; Score 5; DB 2; Length 78;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 KDPV 14
Db 20 KDPV 24

RESULT 40

US-09-198-452A-1142
; Sequence 1142, Application US/09198452A
; Patent No. 655294

; GENERAL INFORMATION:
; APPLICANT: Griffiths, R.
; TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments thereof and uses thereof, in particular for the diagnosis, prevention
; FILE REFERENCE: 9710-003-999
; CURRENT APPLICATION NUMBER: US/09/198,452A
; CURRENT FILING DATE: 1998-11-24
; NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 1142
; LENGTH: 82
; TYPE: PRT
; ORGANISM: Chlamydia pneumoniae

US-09-198-452A-1142

Query Match 31.2%; Score 5; DB 2; Length 82;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 PAVIR 16
Db 51 PAVIR 55

RESULT 41

US-09-270-767-58568
; Sequence 58568, Application US/09270767
; Patent No. 6703491

; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 58568
; LENGTH: 82
; TYPE: PRT
; ORGANISM: Drosophila melanogaster

US-09-270-767-58568

Query Match 31.2%; Score 5; DB 2; Length 82;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 PAVIR 16
Db 37 PAVIR 41

RESULT 42

US-09-513-999C-5870
; Sequence 5870, Application US/09513999C
; Patent No. 6783961
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Duclert, A.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
; FILE REFERENCE: 59.US2.REG
; CURRENT APPLICATION NUMBER: US/09/513.999C
; CURRENT FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/122,487
; PRIOR FILING DATE: 1999-02-26
; NUMBER OF SEQ ID NOS: 36681
; SOFTWARE: Patent.pm
; SEQ ID NO 5870
; LENGTH: 82
; TYPE: PRT
; ORGANISM: Homo sapiens

US-09-513-999C-5870

Query Match 31.2%; Score 5; DB 2; Length 82;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 DPAVI 15
Db 23 DPAVI 27

RESULT 43

US-09-489-039A-11962
; Sequence 11962, Application US/09489039A
; Patent No. 6610836

; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 11962
; LENGTH: 107
; TYPE: PRT
; ORGANISM: Klebsiella pneumoniae

US-09-489-039A-11962

Query Match 31.2%; Score 5; DB 2; Length 107;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 FEGKD 11
Db 91 FEGKD 95

RESULT 44

US-09-270-767-47503

; Sequence 47503, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 47503
; LENGTH: 127
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-47503

Query Match 31.2%; Score 5; DB 2; Length 127;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 PAVIR 16
Db 89 PAVIR 93

RESULT 45
US-09-270-767-43226
; Sequence 43226, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 43226
; LENGTH: 145
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
; FEATURE:
; OTHER INFORMATION: Xaa means any amino acid
US-09-270-767-43226

Query Match 31.2%; Score 5; DB 2; Length 145;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 PAVIR 16
Db 37 PAVIR 41

RESULT 46
US-09-270-767-40911
; Sequence 40911, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 40911
; LENGTH: 149
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
; FEATURE:
; OTHER INFORMATION: Xaa means any amino acid
US-09-270-767-40911

Query Match 31.2%; Score 5; DB 2; Length 149;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 KPAV 14
Db 50 KPAV 54

RESULT 47
US-09-270-767-56127
; Sequence 56127, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 56127
; LENGTH: 149
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
; FEATURE:
; OTHER INFORMATION: Xaa means any amino acid
US-09-270-767-56127

Query Match 31.2%; Score 5; DB 2; Length 149;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 KPAV 14
Db 50 KPAV 54

RESULT 48
US-09-107-433-3844
; Sequence 3844, Application US/09107433
; Patent No. 6800744
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID
; SEQUENCES RELATING TO STREPTOCOCCUS PNEUMONIAE
; THERAPEUTICS
; NUMBER OF SEQUENCES: 5206
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-ROM ISO9660
; COMPUTER: <Unknown>
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: <Unknown>
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,433
; FILING DATE: 30-Jun-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/ 085131
; FILING DATE: May 12, 1998
; APPLICATION NUMBER: 60/051553
; FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ariniello, Pamela Deneke
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-011

```
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 3844:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 158 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: YES
; ORIGINAL SOURCE:
; ORGANISM: Streptococcus pneumoniae
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (B) LOCATION 1...158
; SEQUENCE DESCRIPTION: SEQ ID NO: 3844:
US-09-107-433-3844

Query Match          31.2%; Score 5; DB 2; Length 158;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 11 DPAVI 15
Db 126 DPAVI 130

RESULT 49
US-09-732-210-558
; Sequence 558, Application US/09732210
; Patent No. 6573361
; GENERAL INFORMATION:
; APPLICANT: Bunkers, Greg J.
; APPLICANT: Liang, Jihong
; APPLICANT: Mittanck, Cindy A.
; APPLICANT: Seale, Jeffrey W.
; APPLICANT: Wu, Yonnie S.
; TITLE OF INVENTION: Anti-fungal Proteins and Methods for Their Use
; FILE REFERENCE: 38-21(15036)B
; CURRENT APPLICATION NUMBER: US/09/732,210
; CURRENT FILING DATE: 2000-12-07
; PRIOR APPLICATION NUMBER: US 60/169,513
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: US 60/169,340
; PRIOR FILING DATE: 1999-12-07
; NUMBER OF SEQ ID NOS: 1753
; SEQ ID NO 558
; LENGTH: 170
; TYPE: PRT
; ORGANISM: Sulfolobus solfataricus
US-09-732-210-558

Query Match          31.2%; Score 5; DB 2; Length 170;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 EGKDP 12
Db 138 EGKDP 142

RESULT 50
US-09-902-540-11797
; Sequence 11797, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
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; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 11797
; LENGTH: 179
; TYPE: PRT
; ORGANISM: Myxococcus xanthus
US-09-902-540-11797

Query Match          31.2%; Score 5; DB 2; Length 179;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 FEGKD 11
Db 174 FEGKD 178

RESULT 51
US-09-149-476-401
; Sequence 401, Application US/09149476
; Patent No. 6420526
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 186 Human Secreted proteins
; FILE REFERENCE: P2002P1
; CURRENT APPLICATION NUMBER: US/09/149,476
; CURRENT FILING DATE: 1998-09-08
; EARLIER APPLICATION NUMBER: PCT/US98/04493
; EARLIER FILING DATE: 1998-03-06
; EARLIER APPLICATION NUMBER: 60/040,162
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/040,333
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/038,621
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/040,626
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/040,334
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/040,336
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/040,163
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/047,600
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,615
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,597
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,502
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,633
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,583
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,617
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,618
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,503
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,592
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,581
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,584
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,500
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,587
; EARLIER FILING DATE: 1997-05-23
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; EARLIER APPLICATION NUMBER: 60/061,060
; EARLIER FILING DATE: 1997-10-02

Query Match 31.2%; Score 5; DB 2; Length 180;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 11 DKPAV 15
Db 23 DKPAV 27

RESULT 52

US-09-129-030-8
; Sequence 8, Application US/09129030A
; Patent No. 6242221
; GENERAL INFORMATION:
; APPLICANT: COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION
; TITLE OF INVENTION: GENOMIC PPO CLONES
; FILE REFERENCE: 57072-PCT-US
; CURRENT APPLICATION NUMBER: US/09/129,030A
; CURRENT FILING DATE: 1998-08-04
; EARLIER APPLICATION NUMBER: AU PN7856
; EARLIER FILING DATE: 1996-02-05
; EARLIER APPLICATION NUMBER: AU P02361
; EARLIER FILING DATE: 1996-09-16
; EARLIER APPLICATION NUMBER: PCT/AU97/00041
; EARLIER FILING DATE: 1997-01-24
; NUMBER OF SEQ ID NOS: 66
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 8
; LENGTH: 181
; TYPE: PRT
; ORGANISM: TOBACCO
US-09-129-030-8

Query Match 31.2%; Score 5; DB 2; Length 181;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 GKDPA 13
Db 137 GKDPA 141

RESULT 53

US-09-443-067-10
; Sequence 10, Application US/09443067
; Patent No. 6627794
; GENERAL INFORMATION:
; APPLICANT: COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH
; APPLICANT: ORGANISATION
; TITLE OF INVENTION: Polyphenol oxidase genes from banana, lettuce, tobacco and
; TITLE OF INVENTION: pineapple
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/09/443,067
; CURRENT FILING DATE: 1999-11-18
; EARLIER APPLICATION NUMBER: US 08/976, 222
; EARLIER FILING DATE: 1997-11-21
; EARLIER APPLICATION NUMBER: PCT/AU98/00362
; EARLIER FILING DATE: 1998-05-19
; EARLIER APPLICATION NUMBER: AU PP3898
; EARLIER FILING DATE: 1995-05-23
; EARLIER APPLICATION NUMBER: AU PP6849
; EARLIER FILING DATE: 1997-05-19
; EARLIER APPLICATION NUMBER: AU PP5600
; EARLIER FILING DATE: 1995-09-26
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10
; LENGTH: 181
; TYPE: PRT
; ORGANISM: tobacco

US-09-443-067-10

Query Match 31.2%; Score 5; DB 2; Length 181;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 GKDPA 13
Db 137 GKDPA 141

RESULT 54

US-10-469-602-1
; Sequence 1, Application US/10469602
; Patent No. 6943244
; GENERAL INFORMATION:
; APPLICANT: YU, Long
; APPLICANT: ZHAO, Yong
; APPLICANT: HU Peirong
; APPLICANT: TANG, Lisha
; APPLICANT: ZHAO, Shouyuan
; TITLE OF INVENTION: HUMAN G-TYPE LYSOZYME, THE ENCODING SEQUENCE, PREPARING METHOD AN
; TITLE OF INVENTION: USES THEREOF
; FILE REFERENCE: 09548.0080USWO
; CURRENT APPLICATION NUMBER: US/10/469,602
; CURRENT FILING DATE: 2003-09-02
; PRIOR APPLICATION NUMBER: PCT/CN01/01176
; PRIOR FILING DATE: 2001-07-17
; PRIOR APPLICATION NUMBER: CN 01105523.5
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 182
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-469-602-1

Query Match 31.2%; Score 5; DB 2; Length 182;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 11 DPAVI 15
Db 94 DPAVI 98

RESULT 55

US-09-328-352-5217
; Sequence 5217, Application US/09328352
; Patent No. 6562958
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
; TITLE OF INVENTION: BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: GTC99-03PA
; CURRENT APPLICATION NUMBER: US/09/328,352
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 8252
; SEQ ID NO 5217
; LENGTH: 186
; TYPE: PRT
; ORGANISM: Acinetobacter baumannii
US-09-328-352-5217

Query Match 31.2%; Score 5; DB 2; Length 186;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 KDPDV 14
Db 149 KDPDV 153

RESULT 56

US-09-105-567A-1
; Sequence 1, Application US/09105567A
; Patent No. 6083700
; GENERAL INFORMATION:
; APPLICANT: Lal, Preeti
; APPLICANT: Guegler, Karl J.
; APPLICANT: Corley, Neil C.
; APPLICANT: Patterson, Chandra
; TITLE OF INVENTION: HUMAN GOOSE-TYPE LYSOZYME
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/105,567A
; FILING DATE: HEREWITH
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Cerrone, Michael C
; REGISTRATION NUMBER: 39,132
; REFERENCE/DOCKET NUMBER: PF-0549 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-855-0555
; TELEFAX: 650-855-0572
; TELEX:
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 194 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: ADRENOTO7
; CLONE: 2372794
US-09-105-567A-1

Query Match 31.2%; Score 5; DB 2; Length 194;
Best Local Similarity 100.0%; Pred. No. 2.8e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 11 DPAVI 15
Db 82 DPAVI 86

RESULT 57

US-09-511-720-1
; Sequence 1, Application US/09511720
; Patent No. 6268164
; GENERAL INFORMATION:
; APPLICANT: Lal, Preeti
; APPLICANT: Guegler, Karl J.
; APPLICANT: Corley, Neil C.
; APPLICANT: Patterson, Chandra
; TITLE OF INVENTION: HUMAN GOOSE-TYPE LYSOZYME
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive

; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/511,720
; FILING DATE: 23-Feb-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/105,567
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Cerrone, Michael C
; REGISTRATION NUMBER: 39,132
; REFERENCE/DOCKET NUMBER: PF-0549 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-855-0555
; TELEFAX: 650-855-0572
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 194 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: ADRENOTO7
; CLONE: 2372794
US-09-511-720-1

Query Match 31.2%; Score 5; DB 2; Length 194;
Best Local Similarity 100.0%; Pred. No. 2.8e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 11 DPAVI 15
Db 82 DPAVI 86

RESULT 58

US-09-844-036A-1
; Sequence 1, Application US/09844036A
; Patent No. 6660485
; GENERAL INFORMATION:
; APPLICANT: Lal, Preeti
; APPLICANT: Guegler, Karl J.
; APPLICANT: Corley, Neil C.
; APPLICANT: Patterson, Chandra
; TITLE OF INVENTION: HUMAN GOOSE-TYPE LYSOZYME
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/844,036A
; FILING DATE: 26-Apr-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:


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; APPLICATION NUMBER: 09/511,720
; FILING DATE: 2000-02-23
; ATTORNEY/AGENT INFORMATION:
; NAME: Cerrione, Michael C
; REGISTRATION NUMBER: 39,132
; REFERENCE/DOCKET NUMBER: PF-0549 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-855-0555
; TELEFAX: 650-855-0572
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 194 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: ADRENOT07
; CLONE: 2372794
; SEQUENCE DESCRIPTION: SEQ ID NO: 1 :
US-09-844-036A-1

Query Match          31.2%; Score 5; DB 2; Length 194;
Best Local Similarity 100.0%; Pred. No. 2.8e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 11 DPAVI 15
Db 82 DPAVI 86

RESULT 59
US-09-311-021-168
; Sequence 168, Application US/09311021
; Patent No. 6706869
; GENERAL INFORMATION:
; APPLICANT: Wong, Gordon G.
; APPLICANT: Clark, Hilary
; APPLICANT: Fechtel, Kim
; APPLICANT: Agostino, Michael J.
; APPLICANT: Genetics Institute, Inc.
; TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES ENCODING THEM
; FILE REFERENCE: GI 6300-11A
; CURRENT APPLICATION NUMBER: US/09/311,021
; CURRENT FILING DATE: 1999-05-13
; NUMBER OF SEQ ID NOS: 268
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 168
; LENGTH: 194
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-311-021-168

Query Match          31.2%; Score 5; DB 2; Length 194;
Best Local Similarity 100.0%; Pred. No. 2.8e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 11 DPAVI 15
Db 82 DPAVI 86

RESULT 60
US-09-270-767-58891
; Sequence 58891, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
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; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 58891
; LENGTH: 196
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-58891

Query Match          31.2%; Score 5; DB 2; Length 196;
Best Local Similarity 100.0%; Pred. No. 2.8e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 PAVIR 16
Db 151 PAVIR 155

RESULT 61
US-09-205-258-349
; Sequence 349, Application US/09205258
; Patent No. 6525174
; GENERAL INFORMATION:
; APPLICANT: Young et al.
; TITLE OF INVENTION: 207 Human Secreted Proteins
; FILE REFERENCE: P2007P1
; CURRENT APPLICATION NUMBER: US/09/205,258
; CURRENT FILING DATE: 1998-12-04
; EARLIER APPLICATION NUMBER: PCT/US98/11422
; EARLIER FILING DATE: 1998-06-04
; EARLIER APPLICATION NUMBER: 60/048,885
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,375
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,881
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,880
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,896
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,020
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,876
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,895
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,884
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,894
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,971
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,964
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,882
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,899
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,893
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,900
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,901
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,892
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,915
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,019
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,970
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,972
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,916
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; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,373
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,875
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,374
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,917
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,949
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,974
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,883
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,897
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,898
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,962
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,963
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,877
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,878
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/070,923
; EARLIER FILING DATE: 1997-12-18
; EARLIER APPLICATION NUMBER: 60/092,921
; EARLIER FILING DATE: 1998-07-15
; EARLIER APPLICATION NUMBER: 60/094,657
; EARLIER FILING DATE: 1998-07-30
; NUMBER OF SEQ ID NOS: 1227
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 349
; LENGTH: 200
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (4)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (193)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (200)
; OTHER INFORMATION: Xaa equals stop translation
US-09-205-258-349

Query Match          31.2%; Score 5; DB 2; Length 200;
Best Local Similarity 100.0%; Pred. No. 2.9e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      9 GKDPA 13
Db      157 GKDPA 161

RESULT 62
US-09-489-039A-8787
; Sequence 8787, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
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; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 8787
; LENGTH: 200
; TYPE: PRT
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-8787

Query Match          31.2%; Score 5; DB 2; Length 200;
Best Local Similarity 100.0%; Pred. No. 2.9e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      12 PAVIR 16
Db      89 PAVIR 93

RESULT 63
US-10-004-860-349
; Sequence 349, Application US/10004860
; Patent No. 6914047
; GENERAL INFORMATION:
; APPLICANT: Young et al.
; TITLE OF INVENTION: 207 Human Secreted Proteins
; FILE REFERENCE: P2007P1
; CURRENT APPLICATION NUMBER: US/10/004,860
; CURRENT FILING DATE: 2001-12-07
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 1227
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 349
; LENGTH: 200
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (4)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (193)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (200)
; OTHER INFORMATION: Xaa equals stop translation
US-10-004-860-349

Query Match          31.2%; Score 5; DB 2; Length 200;
Best Local Similarity 100.0%; Pred. No. 2.9e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      9 GKDPA 13
Db      157 GKDPA 161

RESULT 64
US-09-270-767-44936
; Sequence 44936, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 44936
; LENGTH: 206
; TYPE: PRT
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; ORGANISM: Drosophila melanogaster
US-09-270-767-44936

Query Match 31.2%; Score 5; DB 2; Length 206;
Best Local Similarity 100.0%; Pred. No. 2.9e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 GKDPA 13
Db 126 GKDPA 130

RESULT 65

US-09-902-540-10257
; Sequence 10257, Application US/09902540
; Patent No. 6813447

; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.

; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.

; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof

; FILE REFERENCE: 38-10(15849)B
; CURRENT APPLICATION NUMBER: US/09/902,540

; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883

; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825

; SEQ ID NO 10257
; LENGTH: 206

; TYPE: PRT
; ORGANISM: Myxococcus xanthus

US-09-902-540-10257

Query Match 31.2%; Score 5; DB 2; Length 206;
Best Local Similarity 100.0%; Pred. No. 2.9e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 11 DPAVI 15
Db 122 DPAVI 126

RESULT 66

US-09-949-016-10329
; Sequence 10329, Application US/09949016
; Patent No. 6812339

; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.

; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016

; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755

; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768

; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498

; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012

; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10329

; LENGTH: 208
; TYPE: PRT

; ORGANISM: Human
US-09-949-016-10329

Query Match 31.2%; Score 5; DB 2; Length 208;
Best Local Similarity 100.0%; Pred. No. 3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 FEGKD 11

Db 125 FEGKD 129

RESULT 67

US-09-408-020-64

; Sequence 64, Application US/09408020
; Patent No. 6632937

; GENERAL INFORMATION:
; APPLICANT: Swanson, Ronald V.

; APPLICANT: Feldman, Robert A.
; APPLICANT: Schleper, Christa

; TITLE OF INVENTION: NUCLEIC ACIDS AND PROTEINS FROM CENARCHAEUM SYMBIOSUM
; FILE REFERENCE: DCORP-002A

; CURRENT APPLICATION NUMBER: US/09/408,020
; CURRENT FILING DATE: 1999-09-29

; PRIOR APPLICATION NUMBER: 60/102,294
; PRIOR FILING DATE: 1998-09-29

; NUMBER OF SEQ ID NOS: 123
; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 64
; LENGTH: 213

; TYPE: PRT
; ORGANISM: Cenarchaeum symbiosum

US-09-408-020-64

Query Match 31.2%; Score 5; DB 2; Length 213;
Best Local Similarity 100.0%; Pred. No. 3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 5 NCFEG 9
Db 92 NCFEG 96

RESULT 68

US-09-252-991A-30650

; Sequence 30650, Application US/09252991A
; Patent No. 6551795

; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.

; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS

; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A

; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788

; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190

; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142

; SEQ ID NO 30650
; LENGTH: 217

; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa

US-09-252-991A-30650

Query Match 31.2%; Score 5; DB 2; Length 217;
Best Local Similarity 100.0%; Pred. No. 3.1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 GKDPA 13
Db 186 GKDPA 190

RESULT 69

US-08-924-759-4

; Sequence 4, Application US/08924759
; Patent No. 5962229

; GENERAL INFORMATION:
; APPLICANT: MCGONIGLE, BRIAN

; APPLICANT: O'KEEFE, DANIEL

; TITLE OF INVENTION: PLANT GLUTATHIONE-S-TRANSFERASE
; TITLE OF INVENTION: ENZYMES
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: E.I. DU PONT DE NEMOURS AND COMPANY
; STREET: 1007 MARKET STREET
; CITY: WILMINGTON
; STATE: DELAWARE
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 19898
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.50 INCH
; COMPUTER: IBM PC COMPATIBLE
; OPERATING SYSTEM: MICROSOFT WORD FOR WINDOWS 95
; SOFTWARE: MICROSOFT WORD VERSION 7.0A
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/924,759
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: FLOYD, LINDA AXAMETHY
; REGISTRATION NUMBER: 33,692
; REFERENCE/DOCKET NUMBER: CL-1128
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 302-892-8112
; TELEFAX: 302-773-0164
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 226 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant
; TOPOLOGY: not relevant
; MOLECULE TYPE: protein
; ORIGINAL SOURCE:
; TISSUE TYPE: MAIZE
; IMMEDIATE SOURCE:
; LIBRARY: CS.PK0010.C5
; US-08-924-759-4

Query Match 31.2%; Score 5; DB 1; Length 226;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 11 DPAVI 15
Db 135 DPAVI 139

RESULT 70
US-09-248-335-4
; Sequence 4, Application US/09248335
; Patent No. 6096504
; GENERAL INFORMATION:
; APPLICANT: MCGONIGLE, BRIAN
; APPLICANT: O'KEEF, DANIEL
; TITLE OF INVENTION: PLANT GLUTATHIONE-S-TRANSFERASE ENZYMES
; FILE REFERENCE: CL-1128-A
; CURRENT APPLICATION NUMBER: US/09/248,335
; CURRENT FILING DATE: 1999-02-10
; EARLIER APPLICATION NUMBER: 08/924,759
; EARLIER FILING DATE: 1997-September-05
; NUMBER OF SEQ ID NOS: 74
; SOFTWARE: Microsoft Word Version 7.0A
; SEQ ID NO 4
; LENGTH: 226
; TYPE: PRT
; ORGANISM: maize
; US-09-248-335-4

Query Match 31.2%; Score 5; DB 2; Length 226;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 11 DPAVI 15
Db 135 DPAVI 139

RESULT 71
US-09-328-352-7363
; Sequence 7363, Application US/09328352
; Patent No. 6562958
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
; TITLE OF INVENTION: BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: GTC99-03PA
; CURRENT APPLICATION NUMBER: US/09/328,352
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 8252
; SEQ ID NO 7363
; LENGTH: 226
; TYPE: PRT
; ORGANISM: Acinetobacter baumannii
; US-09-328-352-7363

Query Match 31.2%; Score 5; DB 2; Length 226;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 11 DPAVI 15
Db 211 DPAVI 215

RESULT 72
US-09-107-532A-5835
; Sequence 5835, Application US/09107532A
; Patent No. 6583275
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 7310
; CORRESPONDENCE ADDRESS:
; ADDRESS: GENOME THERAPEUTICS CORPORATION
; ADDRESSEE: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-ROM ISO9660
; COMPUTER: PC
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,532A
; FILING DATE: 30-Jun-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/085,598
; FILING DATE: 14 May 1998
; APPLICATION NUMBER: 60/051571
; FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ariniello, Pamela Deneke
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-012
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 5835:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 227 amino acids
; TYPE: amino acid
; TOPOLOGY: linear

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; MOLECULE TYPE: protein
; HYPOTHETICAL: YES
; ORIGINAL SOURCE:
; ORGANISM: Enterococcus faecium
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (B) LOCATION 1...227
; SEQUENCE DESCRIPTION: SEQ ID NO: 5835:
US-09-107-532A-5835

Query Match          31.2%; Score 5; DB 2; Length 227;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      7 FEKGD 11
Db      135 FEKGD 139

RESULT 73
US-09-134-000C-6367
; Sequence 6367, Application US/09134000C
; Patent No. 6617156
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; FILE REFERENCE: 032796-032
; CURRENT APPLICATION NUMBER: US/09/134,000C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/055,778
; PRIOR FILING DATE: 1997-08-15
; NUMBER OF SEQ ID NOS: 6812
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6367
; LENGTH: 232
; TYPE: PRT
; ORGANISM: Enterococcus faecalis
US-09-134-000C-6367

Query Match          31.2%; Score 5; DB 2; Length 232;
Best Local Similarity 100.0%; Pred. No. 3.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      12 PAVIR 16
Db      112 PAVIR 116

RESULT 74
US-08-851-843A-63
; Sequence 63, Application US/08851843A
; Patent No. 6093809
; GENERAL INFORMATION:
; APPLICANT: Cech, Thomas R.
; APPLICANT: Lingner, Joachim
; APPLICANT: Nakamura, Toru
; APPLICANT: Chapman, Karen B.
; APPLICANT: Morin, Gregg B.
; APPLICANT: Harley, Calvin
; APPLICANT: Andrews, William H.
; TITLE OF INVENTION: NO. 6093809el Telomerase
; NUMBER OF SEQUENCES: 225
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: United States of America
; ZIP: 94111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
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; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/851.843A
; FILING DATE: 06-MAY-1997
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/846,017
; FILING DATE: 25-APR-1997
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/844,419
; FILING DATE: 18-APR-1997
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/724,643
; FILING DATE: 01-OCT-1996
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Apple, Randolph T.
; REGISTRATION NUMBER: 36,429
; REFERENCE/DOCKET NUMBER: 015389-002930US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 63:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 233 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Peptide
; LOCATION: 1..233
; OTHER INFORMATION: /note= "TRT motifs from
; OTHER INFORMATION: Schizosaccharomyces pombe tez1"
US-08-851-843A-63

Query Match          31.2%; Score 5; DB 2; Length 233;
Best Local Similarity 100.0%; Pred. No. 3.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      12 PAVIR 16
Db      104 PAVIR 108

RESULT 75
US-08-974-549A-14
; Sequence 14, Application US/08974549A
; Patent No. 6166178
; GENERAL INFORMATION:
; APPLICANT: Cech, Thomas R.
; APPLICANT: Lingner, Joachim
; APPLICANT: Nakamura, Toru
; APPLICANT: Chapman, Karen B.
; APPLICANT: Morin, Gregg B.
; APPLICANT: Harley, Calvin B.
; APPLICANT: Andrews, William H.
; TITLE OF INVENTION: Human Telomerase Catalytic Subunit
; NUMBER OF SEQUENCES: 727
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
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SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICANT: Morin, Gregg B.
APPLICANT: Morin, Gregg B.
FILING DATE: 19-NOV-1997
CLASSIFICATION: 536
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/724,643
FILING DATE: 01-OCT-1996
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/844,419
FILING DATE: 18-APR-1997
APPLICATION DATA:
APPLICATION NUMBER: US 08/846,017
FILING DATE: 25-APR-1997
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/851,843
FILING DATE: 06-MAY-1997
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/854,050
FILING DATE: 09-MAY-1997
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/911,312
FILING DATE: 14-AUG-1997
APPLICATION DATA:
APPLICATION NUMBER: US 08/912,951
FILING DATE: 14-AUG-1997
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/915,503
FILING DATE: 14-AUG-1997
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US97/17618
FILING DATE: 01-OCT-1997
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US97/17885
FILING DATE: 01-OCT-1997
ATTORNEY/AGENT INFORMATION:
NAME: Apple, Randolph Ted
REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 015389-002610US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 233 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:
NAME/KEY: Peptide
LOCATION: 1..233
OTHER INFORMATION: /note= "TRT motifs from
US-08-974-549A-14

Query Match 31.2%; Score 5; DB 2; Length 233;
Best Local Similarity 100.0%; Pred. No. 3.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 PAVIR 16
Db 104 PAVIR 108

RESULT 76
US-08-854-050-63
Sequence 63, Application US/08854050
Patent No. 6261836
GENERAL INFORMATION:
APPLICANT: Cech, Thomas R.
APPLICANT: Lingner, Joachim
APPLICANT: Nakamura, Toru

APPLICANT: Chapman, Karen B.
APPLICANT: Morin, Gregg B.
APPLICANT: Morin, Gregg B.
FILING DATE: 19-NOV-1997
CLASSIFICATION: 536
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/724,643
FILING DATE: 01-OCT-1996
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/844,419
FILING DATE: 18-APR-1997
APPLICATION DATA:
APPLICATION NUMBER: US 08/846,017
FILING DATE: 25-APR-1997
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/851,843
FILING DATE: 06-MAY-1997
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/844,419
FILING DATE: 18-APR-1997
CLASSIFICATION: 536
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/724,643
FILING DATE: 01-OCT-1996
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Apple, Randolph T.
REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 015389-002930US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 63:
SEQUENCE CHARACTERISTICS:
LENGTH: 233 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:
NAME/KEY: Peptide
LOCATION: 1..233
OTHER INFORMATION: /note= "TRT motifs from
US-08-854-050-63

Query Match 31.2%; Score 5; DB 2; Length 233;
Best Local Similarity 100.0%; Pred. No. 3.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 PAVIR 16
Db 104 PAVIR 108

RESULT 77
US-09-430-323-63
Sequence 63, Application US/09430323
Patent No. 6309867
GENERAL INFORMATION:

APPLICANT: Cech, Thomas R.
; Lingner, Joachim
; Nakamura, Toru
; Applicant: Chapman, Karen B.
; Applicant: Morin, Gregg B.
; Applicant: Harley, Calvin
; Applicant: Andrews, William H.
; Andrews, William H.
; TITLE OF INVENTION: No. 6309867el Telomerase
; NUMBER OF SEQUENCES: 225
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: United States of America
; ZIP: 94111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/430,323
; FILING DATE: 29-Oct-1999
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/854,050
; FILING DATE: 09-MAY-1997
; APPLICATION NUMBER: US 08/851,843
; FILING DATE: 06-MAY-1997
; APPLICATION NUMBER: US 08/846,017
; FILING DATE: 25-APR-1997
; APPLICATION NUMBER: US 08/844,419
; FILING DATE: 18-APR-1997
; APPLICATION NUMBER: US 08/724,643
; FILING DATE: 01-OCT-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Apple, Randolph T.
; REGISTRATION NUMBER: 36,429
; REFERENCE/DOCKET NUMBER: 015389-002930US
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 63:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 233 amino acids
; TYPE: amino acid
; STRANDEDNESS: <Unknown>
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Peptide
; LOCATION: 1..233
; OTHER INFORMATION: /note= "TRT motifs from
; Schizosaccharomyces pombe tez1"
; SEQUENCE DESCRIPTION: SEQ ID NO: 63:
US-09-430-323-63

Query Match 31.2%; Score 5; DB 2; Length 233;
Best Local Similarity 100.0%; Pred. No. 3.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 PAVIR 16
Db 104 PAVIR 108

RESULT 78

US-08-912-951-14
; Sequence 14, Application US/08912951
; Patent No. 6475789
; GENERAL INFORMATION:
; APPLICANT: Cech, Thomas R.

APPLICANT: Lingner, Joachim
; APPLICANT: Nakamura, Toru
; APPLICANT: Chapman, Karen B.
; APPLICANT: Morin, Gregg B.
; APPLICANT: Harley, Calvin
; APPLICANT: Andrews, William H.
; Andrews, William H.
; TITLE OF INVENTION: HUMAN TELOMERASE CATALYTIC SUBUNIT: DIAGNOSTIC AND
; TITLE OF INVENTION: THERAPEUTIC METHODS
; NUMBER OF SEQUENCES: 335
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: United States of America
; ZIP: 94111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/912,951
; FILING DATE: 14-AUG-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/854,050
; FILING DATE: 09-MAY-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/851,843
; FILING DATE: 06-MAY-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/846,017
; FILING DATE: 25-APR-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/844,419
; FILING DATE: 18-APR-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/724,643
; FILING DATE: 01-OCT-1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Apple, Randolph T.
; REGISTRATION NUMBER: 36,429
; REFERENCE/DOCKET NUMBER: 015389-002600US
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 233 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Peptide
; LOCATION: 1..233
; OTHER INFORMATION: /note= "TRT motifs from
; Schizosaccharomyces pombe tez1"
US-08-912-951-14

Query Match 31.2%; Score 5; DB 2; Length 233;
Best Local Similarity 100.0%; Pred. No. 3.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 PAVIR 16
Db 104 PAVIR 108

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Query Match      31.2%; Score 5; DB 2; Length 233;
Best Local Similarity 100.0%; Pred.No. 3.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 PAVIR 16
Db      104 PAVIR 108

RESULT 80
US-09-721-456-14
; Sequence 14, Application US/09721456
; Patent No. 6617110
; GENERAL INFORMATION:
; APPLICANT: Cech, Thomas R.
; Lingner, Joachim
; Nakamura, Toru
; Chapman, Karen B.
; Morin, Gregg B.
; Harley, Calvin B.
; Andrews, William H.
; TITLE OF INVENTION: Human Telomerase Catalytic Subunit
; NUMBER OF SEQUENCES: 727
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/721,456
; FILING DATE: 22-No. 6617110-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/974,549A
; FILING DATE: 19-NOV-1997
; APPLICATION NUMBER: US 08/724,643
; FILING DATE: 01-OCT-1996
; APPLICATION NUMBER: US 08/844,419
; FILING DATE: 18-APR-1997
; APPLICATION NUMBER: US 08/846,017
; FILING DATE: 25-APR-1997
; APPLICATION NUMBER: US 08/851,843
; FILING DATE: 06-MAY-1997
; APPLICATION NUMBER: US 08/854,050
; FILING DATE: 14-AUG-1997
; APPLICATION NUMBER: US 08/911,312
; FILING DATE: 09-MAY-1997
; APPLICATION NUMBER: US 08/915,503
; FILING DATE: 14-AUG-1997
; APPLICATION NUMBER: WO PCT/US97/17618
; FILING DATE: 01-OCT-1997
; APPLICATION NUMBER: WO PCT/US97/17885
; FILING DATE: 01-OCT-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Apple, Randolph Ted
; REGISTRATION NUMBER: 36,429
; REFERENCE/DOCKET NUMBER: 015389-002610US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 233 amino acids
; TYPE: amino acid
; STRANDEDNESS: <Unknown>
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Peptide
; LOCATION: 1..233
; OTHER INFORMATION: /note= "TRT motifs from
; Schizosaccharomyces pombe tez1"
; SEQUENCE DESCRIPTION: SEQ ID NO: 14:
US-09-402-181B-14
; Sequence 14, Application US/09402181B
; Patent No. 6610839
; GENERAL INFORMATION:
; APPLICANT: Cech, Thomas R.
; Lingner, Joachim
; Nakamura, Toru
; Chapman, Karen B.
; Morin, Gregg B.
; Harley, Calvin B.
; Andrews, William H.
; TITLE OF INVENTION: Human Telomerase Catalytic Subunit
; NUMBER OF SEQUENCES: 633
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/402,181B
; FILING DATE: 29-Sep-1997
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/724,643
; FILING DATE: 01-OCT-1996
; APPLICATION NUMBER: US 08/844,419
; FILING DATE: 18-APR-1997
; APPLICATION NUMBER: US 08/846,017
; FILING DATE: 25-APR-1997
; APPLICATION NUMBER: US 08/851,843
; FILING DATE: 06-MAY-1997
; APPLICATION NUMBER: US 08/854,050
; FILING DATE: 09-MAY-1997
; APPLICATION NUMBER: US 08/911,312
; FILING DATE: 14-AUG-1997
; APPLICATION NUMBER: US 08/912,951
; FILING DATE: 14-AUG-1997
; APPLICATION NUMBER: US 08/915,503
; FILING DATE: 14-AUG-1997
; APPLICATION NUMBER: WO PCT/US97/17885
; FILING DATE: 01-OCT-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ausenhus, Scott L.
; REGISTRATION NUMBER: 42,271
; REFERENCE/DOCKET NUMBER: 015389-002620US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 233 amino acids
; TYPE: amino acid
; STRANDEDNESS: <Unknown>
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Peptide
; LOCATION: 1..233
; OTHER INFORMATION: /note= "TRT motifs from
; Schizosaccharomyces pombe tez1"
; SEQUENCE DESCRIPTION: SEQ ID NO: 14:
US-09-402-181B-14
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; STRANDEDNESS: <Unknown>
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Peptide
; LOCATION: 1..233
; OTHER INFORMATION: /note= "TRT motifs from
; Schizosaccharomyces pombe tez1"
; SEQUENCE DESCRIPTION: SEQ ID NO: 14:
US-09-721-456-14

Query Match          31.2%; Score 5; DB 2; Length 233;
Best Local Similarity 100.0%; Pred. No. 3.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 PAVIR 16
Db 104 PAVIR 108

RESULT 81
US-09-766-253-63
; Sequence 63, Application US/09766253
; Patent No. 6808880
; GENERAL INFORMATION:
; APPLICANT: Cech, Thomas R.
; Lingner, Joachim
; Nakamura, Toru
; Chapman, Karen B.
; Morin, Gregg B.
; Harley, Calvin
; Andrews, William H.
; TITLE OF INVENTION: No. 6808880el Telomerase
; NUMBER OF SEQUENCES: 171
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: United States of America
; ZIP: 94111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/766,253
; FILING DATE: 19-Jan-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/846,017
; FILING DATE: 1997-04-25
; APPLICATION NUMBER: US 08/724,643
; FILING DATE: 01-OCT-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Apple, Randolph T.
; REGISTRATION NUMBER: 36,429
; REFERENCE/DOCKET NUMBER: 015389-002920US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 63:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 233 amino acids
; TYPE: amino acid
; STRANDEDNESS: <Unknown>
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Peptide
; LOCATION: 1..233
; OTHER INFORMATION: /note= "TRT motifs from
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; Schizosaccharomyces pombe tez1"
; SEQUENCE DESCRIPTION: SEQ ID NO: 63:
US-09-766-253-63

Query Match          31.2%; Score 5; DB 2; Length 233;
Best Local Similarity 100.0%; Pred. No. 3.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 PAVIR 16
Db 104 PAVIR 108

RESULT 82
US-10-054-295-63
; Sequence 63, Application US/10054295
; Patent No. 6921664
; GENERAL INFORMATION:
; APPLICANT: Cech, Thomas R.
; Lingner, Joachim
; Nakamura, Toru
; Chapman, Karen B.
; Morin, Gregg B.
; Harley, Calvin
; Andrews, William H.
; TITLE OF INVENTION: No. 6921664el Telomerase
; NUMBER OF SEQUENCES: 225
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: United States of America
; ZIP: 94111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/054,295
; FILING DATE: 18-Jan-2002
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/854,050
; FILING DATE: <Unknown>
; APPLICATION NUMBER: US 08/846,017
; FILING DATE: 25-APR-1997
; APPLICATION NUMBER: US 08/844,419
; FILING DATE: 18-APR-1997
; APPLICATION NUMBER: US 08/724,643
; FILING DATE: 01-OCT-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Apple, Randolph T.
; REGISTRATION NUMBER: 36,429
; REFERENCE/DOCKET NUMBER: 015389-002930US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 63:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 233 amino acids
; TYPE: amino acid
; STRANDEDNESS: <Unknown>
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Peptide
; LOCATION: 1..233
; OTHER INFORMATION: /note= "TRT motifs from
; Schizosaccharomyces pombe tez1"
; SEQUENCE DESCRIPTION: SEQ ID NO: 63:
US-10-054-295-63
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Query Match 31.2%; Score 5; DB 2; Length 233;
Best Local Similarity 100.0%; Pred. No. 3.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 PAVIR 16
Db 104 PAVIR 108

RESULT 83

US-09-438-486A-63
; Sequence 63, Application US/09438486A
; Patent No. 6927285
; GENERAL INFORMATION:
; APPLICANT: CECH, THOMAS R.
; APPLICANT: LINGNER, JOACHIM
; APPLICANT: NAKAMURA, TORU
; APPLICANT: CHAPMAN, KAREN B.
; APPLICANT: MORIN, GREGG B.
; APPLICANT: HARLEY, CALVIN
; APPLICANT: ANDREWS, WILLIAM H.
; TITLE OF INVENTION: GENE FOR HUMAN TELOMERASE REVERSE TRANSCRIPTASE AND
; TITLE OF INVENTION: TELOMERASE VARIANTS
; FILE REFERENCE: 018/062
; CURRENT APPLICATION NUMBER: US/09/438.486A
; CURRENT FILING DATE: 1999-11-12
; PRIOR APPLICATION NUMBER: 08/851,843
; PRIOR FILING DATE: 1997-05-06
; PRIOR APPLICATION NUMBER: 08/846,017
; PRIOR FILING DATE: 1997-04-25
; PRIOR APPLICATION NUMBER: 08/844,419
; PRIOR FILING DATE: 1997-04-18
; PRIOR APPLICATION NUMBER: 08/724,643
; PRIOR FILING DATE: 1996-10-01
; NUMBER OF SEQ ID NOS: 223
; SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO 63
; LENGTH: 233
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Recombinant
; OTHER INFORMATION: amino acid sequence
US-09-438-486A-63

Query Match 31.2%; Score 5; DB 2; Length 233;
Best Local Similarity 100.0%; Pred. No. 3.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 PAVIR 16
Db 104 PAVIR 108

RESULT 84

US-09-605-703B-2390
; Sequence 2390, Application US/09605703B
; Patent No. 6962989
; GENERAL INFORMATION:
; APPLICANT: Pompejus, Markus
; APPLICANT: Kroger, Burkhard
; APPLICANT: Schroder, Hartwig
; APPLICANT: Zelder, Oskar
; APPLICANT: Haberhauer, Gregor
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING NOVEL
; TITLE OF INVENTION: PROTEINS
; FILE REFERENCE: BGI-129CP
; CURRENT APPLICATION NUMBER: US/09/605,703B
; CURRENT FILING DATE: 2000-06-27
; PRIOR APPLICATION NUMBER: 60/142,764
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: 60/152,318

; PRIOR FILING DATE: 1999-09-03
; NUMBER OF SEQ ID NOS: 2934
; SEQ ID NO 2390
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-09-605-703B-2390

Query Match 31.2%; Score 5; DB 2; Length 238;
Best Local Similarity 100.0%; Pred. No. 3.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 11 DPAVI 15
Db 106 DPAVI 110

RESULT 85

US-09-949-016-8309
; Sequence 8309, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 8309
; LENGTH: 255
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-8309

Query Match 31.2%; Score 5; DB 2; Length 255;
Best Local Similarity 100.0%; Pred. No. 3.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 FEKGD 11
Db 172 FEKGD 176

RESULT 86

US-09-252-991A-32606
; Sequence 32606, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 32606
; LENGTH: 279
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-32606

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Query Match      31.2%; Score 5; DB 2; Length 279;
Best Local Similarity 100.0%; Pred. No. 3.8e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      12 PAVIR 16
      |||||
Db      233 PAVIR 237

RESULT 87
US-09-328-352-4717
; Sequence 4717, Application US/09328352
; Patent No. 6562958
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
; FILE REFERENCE: BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS
; CURRENT APPLICATION NUMBER: GTC99-03PA
; CURRENT FILING DATE: 2000-11-09
; PRIOR FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 8252
; SEQ ID NO 4717
; LENGTH: 279
; TYPE: PRT
; ORGANISM: Acinetobacter baumannii
US-09-328-352-4717

Query Match      31.2%; Score 5; DB 2; Length 279;
Best Local Similarity 100.0%; Pred. No. 3.8e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      11 DPAVI 15
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Db      54 DPAVI 58

RESULT 88
US-09-710-279-1426
; Sequence 1426, Application US/09710279
; Patent No. 6703492
; GENERAL INFORMATION:
; APPLICANT: KIMMERLY, WILLIAM JOHN
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
; FILE REFERENCE: P03480US
; CURRENT APPLICATION NUMBER: US/09/710,279
; CURRENT FILING DATE: 2000-11-09
; PRIOR APPLICATION NUMBER: 60/164,258
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 4472
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1426
; LENGTH: 284
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
US-09-710-279-1426

Query Match      31.2%; Score 5; DB 2; Length 284;
Best Local Similarity 100.0%; Pred. No. 3.9e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 KDPAV 14
      |||||
Db      93 KDPAV 97

RESULT 89
US-09-710-279-2790
; Sequence 2790, Application US/09710279
; Patent No. 6703492
; GENERAL INFORMATION:
```

```
; APPLICANT: KIMMERLY, WILLIAM JOHN
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
; FILE REFERENCE: P03480US
; CURRENT APPLICATION NUMBER: US/09/710,279
; CURRENT FILING DATE: 2000-11-09
; PRIOR APPLICATION NUMBER: 60/164,258
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 4472
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2790
; LENGTH: 284
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
; OTHER INFORMATION: amino acid sequence
US-09-710-279-2790

Query Match      31.2%; Score 5; DB 2; Length 284;
Best Local Similarity 100.0%; Pred. No. 3.9e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 KDPAV 14
      |||||
Db      93 KDPAV 97

RESULT 90
US-09-198-452A-629
; Sequence 629, Application US/09198452A
; Patent No. 6559294
; GENERAL INFORMATION:
; APPLICANT: Griflais, R.
; TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments thereof and uses thereof, in particular for the diagnosis, prevention and treatment of infection
; FILE REFERENCE: 9710-003-999
; CURRENT APPLICATION NUMBER: US/09/198,452A
; CURRENT FILING DATE: 1998-11-24
; NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 629
; LENGTH: 290
; TYPE: PRT
; ORGANISM: Chlamydia pneumoniae
US-09-198-452A-629

Query Match      31.2%; Score 5; DB 2; Length 290;
Best Local Similarity 100.0%; Pred. No. 4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 KDPAV 14
      |||||
Db      170 KDPAV 174

RESULT 91
US-09-107-532A-5601
; Sequence 5601, Application US/09107532A
; Patent No. 6583275
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 7310
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-ROM ISO9660
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; COMPUTER: PC
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: ASCII
;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,532A
; FILING DATE: 30-Jun-1998
;
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/085,598
; FILING DATE: 14 May 1998
; APPLICATION NUMBER: 60/051571
; FILING DATE: July 2, 1997
;
; ATTORNEY/AGENT INFORMATION:
; NAME: Ariniello, Pamela Deneke
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-012
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
;
; INFORMATION FOR SEQ ID NO: 5601:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 294 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: YES
; ORIGINAL SOURCE:
; ORGANISM: Enterococcus faecium
;
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (B) LOCATION 1...294
;
; SEQUENCE DESCRIPTION: SEQ ID NO: 5601:
US-09-107-532A-5601

Query Match 31.2%; Score 5; DB 2; Length 294;
Best Local Similarity 100.0%; Pred. No. 4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 11 DPAVI 15
Db 155 DPAVI 159

RESULT 92
US-09-716-964B-23
; Sequence 23, Application US/09716964B
; Patent No. 6897053
;
; GENERAL INFORMATION:
; APPLICANT: O'Donnell, Michael E.
; APPLICANT: Yuzhakov, Alexander
; APPLICANT: Yurieva, Olga
; APPLICANT: Jeruzalmi, David
; APPLICANT: Bruck, Irina
; APPLICANT: Kuriyan, John
;
; TITLE OF INVENTION: ENZYMES DERIVED FROM THERMOPHILIC ORGANISMS THAT
; TITLE OF INVENTION: FUNCTION AS A CHROMOSOMAL REPLICASE, PREPARATION AND
; TITLE OF INVENTION: USE THEREOF
; FILE REFERENCE: 22221/1030
; CURRENT APPLICATION NUMBER: US/09/716,964B
; CURRENT FILING DATE: 2000-11-21
; PRIOR APPLICATION NUMBER: 60/143,202
; PRIOR FILING DATE: 1997-04-08
; PRIOR APPLICATION NUMBER: 08/823,407
; PRIOR FILING DATE: 1997-04-08
; PRIOR APPLICATION NUMBER: 09/057,416
; PRIOR FILING DATE: 1998-04-08
; NUMBER OF SEQ ID NOS: 212
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 23
; LENGTH: 294
; TYPE: PRT
; ORGANISM: Bacillus subtilis
;
US-09-716-964B-23
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Query Match 31.2%; Score 5; DB 2; Length 294;
Best Local Similarity 100.0%; Pred. No. 4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 GKDPA 13
Db 275 GKDPA 279

RESULT 93
US-09-270-767-46577
; Sequence 46577, Application US/09270767
; Patent No. 6703491
;
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 46577
; LENGTH: 305
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
;
US-09-270-767-46577

Query Match 31.2%; Score 5; DB 2; Length 305;
Best Local Similarity 100.0%; Pred. No. 4.1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 GKDPA 13
Db 97 GKDPA 101

RESULT 94
US-09-270-767-46556
; Sequence 46556, Application US/09270767
; Patent No. 6703491
;
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 46556
; LENGTH: 307
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
;
US-09-270-767-46556

Query Match 31.2%; Score 5; DB 2; Length 307;
Best Local Similarity 100.0%; Pred. No. 4.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 KDPDV 14
Db 104 KDPDV 108

RESULT 95
US-09-902-540-15277
; Sequence 15277, Application US/09902540
; Patent No. 6833447
;
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
;
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
```

; FILE REFERENCE: 38-10(15849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 15277
; LENGTH: 320
; TYPE: PRT
; ORGANISM: Myxococcus xanthus
US-09-902-540-15277

Query Match 31.2%; Score 5; DB 2; Length 320;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 KDPV 14
Db 256 KDPV 260
|||||

RESULT 96
US-09-252-991A-30674
; Sequence 30674, Application US/09252991A
; Patent No. 6551795

; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136

; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 30674
; LENGTH: 324
; TYPE: PRT

; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-30674

Query Match 31.2%; Score 5; DB 2; Length 324;
Best Local Similarity 100.0%; Pred. No. 4.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 DPV 15
Db 75 DPV 79
|||||

RESULT 97
US-09-248-796A-16963
; Sequence 16963, Application US/09248796A
; Patent No. 6747137

; GENERAL INFORMATION:
; APPLICANT: Keith Weinstock et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN
; TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.132

; CURRENT APPLICATION NUMBER: US/09/248,796A
; CURRENT FILING DATE: 1999-02-12
; PRIOR APPLICATION NUMBER: US 60/074,725
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: US 60/096,409
; PRIOR FILING DATE: 1998-08-13
; NUMBER OF SEQ ID NOS: 28208
; SEQ ID NO 16963
; LENGTH: 324
; TYPE: PRT

; ORGANISM: Candida albicans
US-09-248-796A-16963

Query Match 31.2%; Score 5; DB 2; Length 324;
Best Local Similarity 100.0%; Pred. No. 4.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 FEGKD 11
Db 145 FEGKD 149
|||||

RESULT 98
US-09-252-991A-23378
; Sequence 23378, Application US/09252991A
; Patent No. 6551795

; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136

; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 23378
; LENGTH: 330
; TYPE: PRT

; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-23378

Query Match 31.2%; Score 5; DB 2; Length 330;
Best Local Similarity 100.0%; Pred. No. 4.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 GKDPA 13
Db 132 GKDPA 136
|||||

RESULT 99
US-09-252-991A-19236
; Sequence 19236, Application US/09252991A
; Patent No. 6551795

; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136

; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 19236
; LENGTH: 331
; TYPE: PRT

; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-19236

Query Match 31.2%; Score 5; DB 2; Length 331;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 PAVIR 16
Db 27 PAVIR 31
|||||

RESULT 100

```

US-09-198-452A-281
; Sequence 281, Application US/09198452A
; Patent No. 6559294
; GENERAL INFORMATION:
; APPLICANT: Grifffais, R.
; TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
; TITLE OF INVENTION: thereof and uses thereof, in particular for the diagnosis, prevention
; TITLE OF INVENTION: and treatment of infection
; FILE REFERENCE: 9710-003-999
; CURRENT APPLICATION NUMBER: US/09/198,452A
; CURRENT FILING DATE: 1998-11-24
; NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 281
; LENGTH: 331
; TYPE: PRN
; ORGANISM: Chlamydia pneumoniae
US-09-198-452A-281

Query Match          31.2%; Score 5; DB 2; Length 331;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 KDPav 14
        |||||
Db      24 KDPav 28

Search completed: February 15, 2006, 09:34:26
Job time : 8.11556 secs

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GenCore version 5.1.7
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OM protein - protein search, using sw model

Run on: February 15, 2006, 09:26:44 ; Search time 20.2667 Seconds
(without alignments)
329.865 Million cell updates/sec

Title: US-10-030-937-72

Perfect score: 83

Sequence: 1 YSLPKSEFAVPDLELP 16

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA Main.*

- 1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep.*
- 3: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep.*
- 4: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep.*
- 5: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep.*
- 6: /cgn2_6/ptodata/1/pubpaa/US11_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | DB ID | Description |
|------------|-------|-------------|--------|-------|----------------------|
| 1 | 79 | 95.2 | 193 | 4 | US-10-170-385-389 |
| 2 | 79 | 95.2 | 193 | 5 | US-10-723-860-529 |
| 3 | 79 | 95.2 | 193 | 5 | US-10-450-763-31079 |
| 4 | 49 | 59.0 | 894 | 5 | US-10-732-923-8428 |
| 5 | 47 | 56.6 | 2710 | 4 | US-10-153-273-12 |
| 6 | 44.5 | 53.6 | 120 | 4 | US-10-424-599-284187 |
| 7 | 44 | 53.0 | 328 | 4 | US-10-369-493-4173 |
| 8 | 44 | 53.0 | 329 | 4 | US-10-320-797-3110 |
| 9 | 43.5 | 52.4 | 1383 | 4 | US-10-021-955-82 |
| 10 | 43.5 | 52.4 | 1383 | 4 | US-10-021-955-86 |
| 11 | 43.5 | 52.4 | 1383 | 4 | US-10-021-955-87 |
| 12 | 43.5 | 52.4 | 1383 | 5 | US-10-514-150-8 |
| 13 | 43.5 | 52.4 | 1389 | 4 | US-10-021-955-79 |
| 14 | 43 | 51.8 | 183 | 4 | US-10-425-115-261209 |
| 15 | 43 | 51.8 | 828 | 4 | US-10-282-122A-60144 |
| 16 | 42.5 | 51.2 | 104 | 4 | US-10-425-115-194142 |
| 17 | 42.5 | 51.2 | 1391 | 4 | US-10-021-955-85 |
| 18 | 42.5 | 51.2 | 1398 | 4 | US-10-408-765A-1007 |
| 19 | 42.5 | 51.2 | 1461 | 3 | US-09-940-227-77 |
| 20 | 42.5 | 51.2 | 1461 | 4 | US-10-021-955-88 |
| 21 | 42.5 | 51.2 | 1461 | 4 | US-10-467-433-10 |
| 22 | 42.5 | 51.2 | 1461 | 4 | US-10-332-947-30 |
| 23 | 42.5 | 51.2 | 1461 | 5 | US-10-933-058-77 |
| 24 | 42.5 | 51.2 | 1483 | 4 | US-10-332-947-29 |
| 25 | 42.5 | 51.2 | 1549 | 4 | US-10-363-616-314 |
| 26 | 42.5 | 51.2 | 63 | 4 | US-10-425-115-232729 |
| 27 | 42 | 50.6 | 140 | 4 | US-10-425-115-208031 |

| | | | | | | |
|----|------|------|------|---|----------------------|-------------------|
| 28 | 42 | 50.6 | 188 | 3 | US-09-801-944B-234 | Sequence 234, App |
| 29 | 42 | 50.6 | 199 | 4 | US-10-282-122A-65806 | Sequence 65806, A |
| 30 | 42 | 50.6 | 300 | 4 | US-10-425-114-69294 | Sequence 69294, A |
| 31 | 42 | 50.6 | 393 | 4 | US-10-282-122A-55243 | Sequence 55243, A |
| 32 | 42 | 50.6 | 852 | 4 | US-10-437-963-204585 | Sequence 204585, |
| 33 | 42 | 50.6 | 1040 | 4 | US-10-437-963-140470 | Sequence 140470, |
| 34 | 42 | 50.6 | 1127 | 4 | US-10-437-963-140467 | Sequence 140467, |
| 35 | 42 | 50.6 | 1441 | 5 | US-10-732-923-1652 | Sequence 1652, Ap |
| 36 | 42 | 50.6 | 1441 | 5 | US-10-732-923-1653 | Sequence 1653, Ap |
| 37 | 41.5 | 50.0 | 186 | 4 | US-10-425-114-39728 | Sequence 39728, A |
| 38 | 41.5 | 50.0 | 313 | 4 | US-10-424-599-235166 | Sequence 235166, |
| 39 | 41 | 49.4 | 68 | 4 | US-10-437-963-136391 | Sequence 136391, |
| 40 | 41 | 49.4 | 85 | 4 | US-10-425-115-356159 | Sequence 356159, |
| 41 | 41 | 49.4 | 102 | 4 | US-10-437-963-107307 | Sequence 107307, |
| 42 | 41 | 49.4 | 106 | 4 | US-10-425-115-321334 | Sequence 321334, |
| 43 | 41 | 49.4 | 153 | 4 | US-10-425-114-61811 | Sequence 61811, A |
| 44 | 41 | 49.4 | 159 | 4 | US-10-425-115-224622 | Sequence 224622, |
| 45 | 41 | 49.4 | 187 | 4 | US-10-425-115-208030 | Sequence 208030, |

ALIGNMENTS

RESULT 1

US-10-170-385-389
; Sequence 389, Application US/10170385
; Publication No. US20030203372A1
; GENERAL INFORMATION:
; APPLICANT: Ward, Neil Raymond
; APPLICANT: Mundy, Christopher Robert
; APPLICANT: Kan, On
; APPLICANT: Harris, Robert Alan
; APPLICANT: White, Jonathan
; APPLICANT: Binley, Katie Mary
; APPLICANT: Rayner, William Nigel
; APPLICANT: Navlor, Stuart
; APPLICANT: Kingsman, Susan Mary
; APPLICANT: Krige, David
; TITLE OF INVENTION: ANALYSIS METHOD
; FILE REFERENCE: 532682000100
; CURRENT APPLICATION NUMBER: US/10/170,385
; CURRENT FILING DATE: 2002-06-12
; PRIOR FILING DATE: 2002-04-08
; PRIOR APPLICATION NUMBER: PCT/GB02/01662
; PRIOR FILING DATE: 2001-12-10
; NUMBER OF SEQ ID NOS: 549
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 389
; TYPE: PRT
; LENGTH: 193
; ORGANISM: Homo Sapiens
US-10-170-385-389

Query Match 95.2%; Score 79; DB 4; Length 193;
Best Local Similarity 93.8%; Pred. No. 5.3e-05;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 YSLPKSEFAVPDLELP 16

Db 145 YSLPKSEFAVPDLELP 160

RESULT 2

US-10-723-860-529
; Sequence 529, Application US/10723860
; Publication No. US20040253606A1
; GENERAL INFORMATION:
; APPLICANT: Aziz, Natasha
; APPLICANT: Ginsburg, Wendy M.
; APPLICANT: Zlotnik, Albert
; TITLE OF INVENTION: Methods of Diagnosis of Soft Tissue Sarcoma, Compositions & Methods for Screening for Soft Tissue Sarcoma Modulators

; FILE REFERENCE: 05882.0193.NPUS01
; CURRENT APPLICATION NUMBER: US/10/723,860
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: 60/429,739
; PRIOR FILING DATE: 2002-11-26
; NUMBER OF SEQ ID NOS: 8393
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 529
; LENGTH: 193
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-723-860-529

Query Match 95.2%; Score 79; DB 5; Length 193;
Best Local Similarity 93.8%; Pred. No. 5.3e-05;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 YSLPKSEFAVPDLELP 16
Db 145 YSLPKSEFVVPDLELP 160

RESULT 3
US-10-450-763-31079
; Sequence 31079, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 31079
; LENGTH: 193
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-450-763-31079

Query Match 95.2%; Score 79; DB 5; Length 193;
Best Local Similarity 93.8%; Pred. No. 5.3e-05;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 YSLPKSEFAVPDLELP 16
Db 145 YSLPKSEFVVPDLELP 160

RESULT 4
US-10-732-923-8428
; Sequence 8428, Application US/10732923
; Publication No. US20050108791A1
; GENERAL INFORMATION:
; APPLICANT: Edgerton, Michael D
; TITLE OF INVENTION: TRANSGENIC PLANTS WITH IMPROVED PHENOTYPES
; FILE REFERENCE: 38-15(52796)C
; CURRENT APPLICATION NUMBER: US/10/732,923
; CURRENT FILING DATE: 2003-12-10
; PRIOR APPLICATION NUMBER: 10/310,154
; PRIOR FILING DATE: 2002-12-04
; NUMBER OF SEQ ID NOS: 24149
; SEQ ID NO 8428
; LENGTH: 894
; TYPE: PRT
; ORGANISM: Oryza sativa (japonica cultivar-group)
US-10-732-923-8428

Query Match 59.0%; Score 49; DB 5; Length 894;
Best Local Similarity 61.5%; Pred. No. 32;
Matches 8; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY 3 LPKSEFAVPDLEL 15
Db 817 VPRSEISIPDLEL 829

RESULT 5
US-10-153-273-12
; Sequence 12, Application US/10153273
; Publication No. US20020169305A1
; GENERAL INFORMATION:
; APPLICANT: Sim, Kim L.
; Chitnis, Chetan
; Miller, Louis H.
; Peterson, David S.
; Su, Xin-zhaun
; Wellens, Thomas E.
; TITLE OF INVENTION: BINDING DOMAINS FROM PLASMODIUM VIVAX
; AND PLASMODIUM FALCIPARUM ERYTHROCYTE BINDING PROTEINS
; NUMBER OF SEQUENCES: 37
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Knobbe Martens Olson & Bear
; STREET: 620 Newport Center Drive 16th Floor
; CITY: Newport Beach
; STATE: California
; COUNTRY: US
; ZIP: 92660
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION NUMBER: US/10/153,273
; FILING DATE: 21-May-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/210,288
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Fuller, Michael
; REGISTRATION NUMBER: 36,516
; REFERENCE/DOCKET NUMBER: NIH121.1FWDV1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 235-8550
; TELEFAX: (619) 235-0176
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2710 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHEetical: NO
; ORIGINAL SOURCE:
; ORGANISM: Plasmodium falciparum
; SEQUENCE DESCRIPTION: SEQ ID NO: 12:
US-10-153-273-12

Query Match 56.6%; Score 47; DB 4; Length 2710;
Best Local Similarity 64.3%; Pred. No. 2.4e+02;
Matches 9; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 3 LPKSEFAVPDLELP 16
Db 2121 LPKNDGTVPDLEKP 2134

RESULT 6

US-10-424-599-284187
; Sequence 284187, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 284187
; LENGTH: 120
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_98646C.1.pep
US-10-424-599-284187

Query Match 53.6%; Score 44.5; DB 4; Length 120;
Best Local Similarity 68.8%; Pred. No. 18;
Matches 11; Conservative 1; Mismatches 3; Indels 1; Gaps 1;

Qy 1 YSLPKSEFAVPDLPLP 16
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Db 98 YFLPLSE-SEPDLELP 112

RESULT 7
US-10-369-493-4173
; Sequence 4173, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 4173
; LENGTH: 328
; TYPE: PRT
; ORGANISM: Neurospora crassa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(328)
; OTHER INFORMATION: unsure at all Xaa locations
US-10-369-493-4173

Query Match 53.0%; Score 44; DB 4; Length 328;
Best Local Similarity 61.5%; Pred. No. 69;
Matches 8; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy 4 PKSEFAVPDLPLP 16
||| : ||| |||
Db 105 PKAEWVPTLSLP 117

RESULT 8
US-10-320-797-3110
; Sequence 3110, Application US/10320797
; Publication No. US20040014955A1
; GENERAL INFORMATION:

; APPLICANT: Eroshkin, Alexey M.
; APPLICANT: Zamudio, Carlos
; TITLE OF INVENTION: IDENTIFICATION OF ESSENTIAL GENES OF CRYPTOCOCCUS NEOFORMANS AND
; TITLE OF INVENTION: METHODS OF USE
; FILE REFERENCE: 10182-021-999
; CURRENT APPLICATION NUMBER: US/10/320,797
; CURRENT FILING DATE: 2002-12-16
; PRIOR APPLICATION NUMBER: 60/341,261
; PRIOR FILING DATE: 2001-12-17
; NUMBER OF SEQ ID NOS: 3361
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 3110
; LENGTH: 329
; TYPE: PRT
; ORGANISM: Cryptococcus neoformans
US-10-320-797-3110

Query Match 53.0%; Score 44; DB 4; Length 329;
Best Local Similarity 56.2%; Pred. No. 70;
Matches 9; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

Qy 1 YSLPKSEFAVPDLPLP 16
: ||| ||| : ||| |||
Db 58 FSLPKSEFQIIDLPLP 73

RESULT 9
US-10-021-955-82
; Sequence 82, Application US/10021955
; Publication No. US20030039987A1
; GENERAL INFORMATION:
; APPLICANT: Lupeki, James R
; APPLICANT: Boerkoel, Cornelius F
; APPLICANT: Takashima, Hiroshi
; TITLE OF INVENTION: Defects in Periaxin Associated with Myelinopathies
; FILE REFERENCE: P02086US/10026309
; CURRENT APPLICATION NUMBER: US/10/021,955
; CURRENT FILING DATE: 2001-12-13
; PRIOR APPLICATION NUMBER: US 60/255,217
; PRIOR FILING DATE: 2000-12-13
; NUMBER OF SEQ ID NOS: 93
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 82
; LENGTH: 1383
; TYPE: PRT
; ORGANISM: Rat
US-10-021-955-82

Query Match 52.4%; Score 43.5; DB 4; Length 1383;
Best Local Similarity 60.0%; Pred. No. 4.3e+02;
Matches 9; Conservative 4; Mismatches 1; Indels 1; Gaps 1;

Qy 3 LPKS-EFAVPDLPLP 16
||| : ||| : |||
Db 453 LPKAEAAIPDVQLP 467

RESULT 10
US-10-021-955-86
; Sequence 86, Application US/10021955
; Publication No. US20030039987A1
; GENERAL INFORMATION:
; APPLICANT: Lupeki, James R
; APPLICANT: Boerkoel, Cornelius F
; APPLICANT: Takashima, Hiroshi
; TITLE OF INVENTION: Defects in Periaxin Associated with Myelinopathies
; FILE REFERENCE: P02086US/10026309
; CURRENT APPLICATION NUMBER: US/10/021,955
; CURRENT FILING DATE: 2001-12-13
; PRIOR APPLICATION NUMBER: US 60/255,217
; PRIOR FILING DATE: 2000-12-13
; NUMBER OF SEQ ID NOS: 93
; SOFTWARE: PatentIn version 3.1

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; SEQ ID NO 86
; LENGTH: 1383
; TYPE: PRT
; ORGANISM: Rat
US-10-021-955-86

Query Match      52.4%; Score 43.5; DB 4; Length 1383;
Best Local Similarity 60.0%; Pred. No. 4.3e+02;
Matches 9; Conservative 4; Mismatches 1; Indels 1; Gaps 1;

QY 3 LPKS-EFAVPDLELP 16
Db 453 LPKAPAAIPDVQLP 467

RESULT 11
US-10-021-955-87
; Sequence 87, Application US/10021955
; Publication No. US20030039987A1
; GENERAL INFORMATION:
; APPLICANT: Lupski, James R
; APPLICANT: Boerkoel, Cornelius F
; APPLICANT: Takashima, Hiroshi
; TITLE OF INVENTION: Defects in Periaxin Associated with Myelinopathies
; FILE REFERENCE: P02086US1/10026309
; CURRENT APPLICATION NUMBER: US/10/021,955
; CURRENT FILING DATE: 2001-12-13
; PRIOR APPLICATION NUMBER: US 60/255,217
; PRIOR FILING DATE: 2000-12-13
; NUMBER OF SEQ ID NOS: 93
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 87
; LENGTH: 1383
; TYPE: PRT
; ORGANISM: Rat
US-10-021-955-87

Query Match      52.4%; Score 43.5; DB 4; Length 1383;
Best Local Similarity 60.0%; Pred. No. 4.3e+02;
Matches 9; Conservative 4; Mismatches 1; Indels 1; Gaps 1;

QY 3 LPKS-EFAVPDLELP 16
Db 453 LPKAPAAIPDVQLP 467

RESULT 12
US-10-514-150-8
; Sequence 8, Application US/10514150
; Publication No. US20050233957A1
; GENERAL INFORMATION:
; APPLICANT: UNIVERSITY COLLEGE LONDON
; APPLICANT: Kenji OKUSE
; APPLICANT: Mark BAKER
; APPLICANT: Louisa POON
; APPLICANT: John Nicholas WOOD
; APPLICANT: Misbah MALIK-HALL
; TITLE OF INVENTION: SODIUM CHANNEL REGULATORS AND MODULATORS
; FILE REFERENCE: 117-528 / N.88745B GCW
; CURRENT APPLICATION NUMBER: US/10/514,150
; CURRENT FILING DATE: 2004-11-12
; PRIOR APPLICATION NUMBER: PCT/GB03/02225
; PRIOR FILING DATE: 2003-05-22
; PRIOR APPLICATION NUMBER: GB 0211833.9
; PRIOR FILING DATE: 2002-05-22
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 8
; LENGTH: 1383
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-10-514-150-8

Query Match      52.4%; Score 43.5; DB 5; Length 1383;
Best Local Similarity 60.0%; Pred. No. 4.3e+02;
Matches 9; Conservative 4; Mismatches 1; Indels 1; Gaps 1;

QY 3 LPKS-EFAVPDLELP 16
Db 453 LPKAPAAIPDVQLP 467

RESULT 13
US-10-021-955-79
; Sequence 79, Application US/10021955
; Publication No. US20030039987A1
; GENERAL INFORMATION:
; APPLICANT: Lupski, James R
; APPLICANT: Boerkoel, Cornelius F
; APPLICANT: Takashima, Hiroshi
; TITLE OF INVENTION: Defects in Periaxin Associated with Myelinopathies
; FILE REFERENCE: P02086US1/10026309
; CURRENT APPLICATION NUMBER: US/10/021,955
; CURRENT FILING DATE: 2001-12-13
; PRIOR APPLICATION NUMBER: US 60/255,217
; PRIOR FILING DATE: 2000-12-13
; NUMBER OF SEQ ID NOS: 93
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 79
; LENGTH: 1389
; TYPE: PRT
; ORGANISM: Rat
US-10-021-955-79

Query Match      52.4%; Score 43.5; DB 4; Length 1389;
Best Local Similarity 60.0%; Pred. No. 4.3e+02;
Matches 9; Conservative 4; Mismatches 1; Indels 1; Gaps 1;

QY 3 LPKS-EFAVPDLELP 16
Db 453 LPKAPAAIPDVQLP 467

RESULT 14
US-10-425-115-261209
; Sequence 261209, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 261209
; LENGTH: 183
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_169837C.1.pep
US-10-425-115-261209

Query Match      51.8%; Score 43; DB 4; Length 183;
Best Local Similarity 72.7%; Pred. No. 52;
Matches 8; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 2 SLPKSEFAVPD 12
Db 25 SLPRSSFPVPD 35

RESULT 15
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US-10-282-122A-60144
; Sequence 60144, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 60144
; LENGTH: 828
; TYPE: PRT
; ORGANISM: Klebsiella pneumoniae
US-10-282-122A-60144

Query Match      51.8%; Score 43; DB 4; Length 828;
Best Local Similarity 66.7%; Pred. No. 2.9e+02;
Matches      8; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Qy      5 KSEFAVPDLELP 16
Db      758 KADFRVPPLELP 769
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Search completed: February 15, 2006, 09:32:19
Job time : 20.2667 secs

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OM protein - protein search, using sw model

Run on: February 15, 2006, 09:27:39 ; Search time 1.84889 Seconds
(without alignments)
122.986 Million cell updates/sec

Title: US-10-030-937-72
Perfect score: 83
Sequence: 1 YSLPKSFVFPDLPLP 16

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 107799 seqs, 14211699 residues

Total number of hits satisfying chosen parameters: 107799

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA New:*
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2: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB pep.*
3: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB pep.*
4: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB pep.*
5: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB pep.*
6: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB pep.*
7: /cgn2_6/ptodata/2/pubpaa/US11_NEW_PUB pep.*
8: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description |
|------------|-------|-------------|--------|---------------------|-------------------|
| 1 | 79 | 95.2 | 201 | US-10-821-234-1162 | Sequence 1162, Ap |
| 2 | 39 | 47.0 | 111 | US-11-072-512-3918 | Sequence 3918, Ap |
| 3 | 39 | 47.0 | 1197 | US-10-055-877-8 | Sequence 8, Appli |
| 4 | 38 | 45.8 | 433 | US-10-821-234-1353 | Sequence 1353, Ap |
| 5 | 37 | 44.6 | 97 | US-10-986-501-113 | Sequence 113, App |
| 6 | 37 | 44.6 | 368 | US-10-858-730-217 | Sequence 217, App |
| 7 | 37 | 44.6 | 527 | US-11-113-424-81 | Sequence 81, Appl |
| 8 | 37 | 44.6 | 3157 | US-11-052-554A-142 | Sequence 142, App |
| 9 | 36.5 | 44.0 | 578 | US-10-858-730-103 | Sequence 103, App |
| 10 | 36 | 43.4 | 209 | US-10-793-626-2904 | Sequence 2904, Ap |
| 11 | 36 | 43.4 | 529 | US-11-113-424-82 | Sequence 82, Appl |
| 12 | 36 | 43.4 | 729 | US-11-099-691-3 | Sequence 3, Appli |
| 13 | 36 | 43.4 | 804 | US-11-098-686-10592 | Sequence 10592, A |
| 14 | 36 | 43.4 | 956 | US-11-016-706-40 | Sequence 40, Appl |
| 15 | 36 | 43.4 | 2542 | US-11-124-367A-363 | Sequence 363, App |
| 16 | 36 | 43.4 | 3635 | US-11-019-711-47 | Sequence 47, Appl |
| 17 | 35.5 | 42.8 | 941 | US-10-131-826A-464 | Sequence 464, App |
| 18 | 35.5 | 42.8 | 941 | US-11-124-368A-191 | Sequence 191, App |
| 19 | 35.5 | 42.8 | 941 | US-11-124-368A-193 | Sequence 193, App |
| 20 | 35.5 | 42.8 | 948 | US-11-124-368A-192 | Sequence 192, App |
| 21 | 35.5 | 42.8 | 966 | US-11-054-281-71 | Sequence 71, Appl |
| 22 | 35.5 | 42.8 | 974 | US-11-054-281-73 | Sequence 73, Appl |
| 23 | 35 | 42.2 | 79 | US-10-485-517-222 | Sequence 222, App |
| 24 | 35 | 42.2 | 122 | US-11-098-686-11387 | Sequence 11387, A |
| 25 | 35 | 42.2 | 199 | US-10-467-657-2460 | Sequence 2460, Ap |

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|----|------|------|------|---|--------------------|-------------------|
| 26 | 35 | 42.2 | 221 | 7 | US-11-072-512-3182 | Sequence 3182, Ap |
| 27 | 35 | 42.2 | 259 | 6 | US-10-467-657-3518 | Sequence 3518, Ap |
| 28 | 35 | 42.2 | 276 | 6 | US-10-821-234-1501 | Sequence 1501, Ap |
| 29 | 35 | 42.2 | 333 | 6 | US-10-873-528-43 | Sequence 43, Appl |
| 30 | 35 | 42.2 | 748 | 7 | US-11-090-617-692 | Sequence 692, App |
| 31 | 35 | 42.2 | 766 | 7 | US-11-144-985-9 | Sequence 9, Appli |
| 32 | 35 | 42.2 | 931 | 6 | US-10-517-939-290 | Sequence 290, App |
| 33 | 35 | 42.2 | 1020 | 6 | US-10-513-786-4 | Sequence 4, Appli |
| 34 | 35 | 42.2 | 1900 | 6 | US-10-513-786-3 | Sequence 3, Appli |
| 35 | 35 | 42.2 | 3704 | 6 | US-10-513-786-1 | Sequence 1, Appli |
| 36 | 34.5 | 41.6 | 566 | 7 | US-11-072-512-2407 | Sequence 2407, Ap |
| 37 | 34 | 41.0 | 269 | 6 | US-10-983-120-13 | Sequence 13, Appl |
| 38 | 34 | 41.0 | 479 | 7 | US-11-170-123-3 | Sequence 3, Appli |
| 39 | 34 | 41.0 | 492 | 7 | US-11-170-123-4 | Sequence 4, Appli |
| 40 | 34 | 41.0 | 585 | 6 | US-10-821-234-1489 | Sequence 1489, Ap |
| 41 | 34 | 41.0 | 674 | 6 | US-10-131-826A-36 | Sequence 36, Appl |
| 42 | 34 | 41.0 | 791 | 7 | US-11-072-512-2307 | Sequence 2307, Ap |
| 43 | 34 | 41.0 | 858 | 7 | US-11-072-512-2918 | Sequence 2918, Ap |
| 44 | 34 | 41.0 | 1387 | 7 | US-11-077-386-28 | Sequence 28, Appl |
| 45 | 34 | 41.0 | 1481 | 7 | US-11-077-386-30 | Sequence 30, Appl |

ALIGNMENTS

RESULT 1
US-10-821-234-1162
; Sequence 1162, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821.234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pt-seq_genes Version 1.0
; SEQ ID NO 1162
; LENGTH: 201
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-821-234-1162

Query Match 95.2%; Score 79; DB 6; Length 201;
Best Local Similarity 93.8%; Pred. No. 1.7e-06;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 YSLPKSFVFPDLPLP 16
Db 153 YSLPKSFVFPDLPLP 168

RESULT 2
US-11-072-512-3918
; Sequence 3918, Application US/11072512
; Publication No. US20060029945A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YANAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUUKO
; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI

; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAOHICO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTOTYUKI
; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: Novel full length cDNA
; FILE REFERENCE: 084335-0191
; CURRENT APPLICATION NUMBER: US/11/072,512
; CURRENT FILING DATE: 2005-03-07
; PRIOR FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: US 60/350,978
; PRIOR FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: JP 2001-379298
; PRIOR FILING DATE: 2001-11-05
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3918
; LENGTH: 111
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-072-512-3918

Query Match 47.0%; Score 39; DB 7; Length 111;
Best Local Similarity 66.7%; Pred. No. 5.6;
Matches 8; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 2 SLPKSEFAVPDL 13
Db 2 SLPKFEISSPDL 13

RESULT 3
US-10-055-877-8
; Sequence 8, Application US/10055877
; Publication No. US20050288241A1
; GENERAL INFORMATION:
; APPLICANT: DeCristofaro, Marc
; APPLICANT: Padigar, Muralidhara
; APPLICANT: Miller, Charles
; APPLICANT: Tchernev, Velizar
; APPLICANT: Zhong, Mei David
; APPLICANT: Anderson, David
; APPLICANT: Ballinger, Robert
; APPLICANT: Gylach, Valerie
; APPLICANT: Spytek, Kimberly
; APPLICANT: Ratelli, Luca
; APPLICANT: Kekuda, Ramesh
; APPLICANT: Guo, Xiaojia
; APPLICANT: Zerhusen, Bryan
; APPLICANT: Andrew, David
; APPLICANT: Mezes, Peter
; APPLICANT: Patturajan, Meera
; APPLICANT: Burgess, Catherine
; APPLICANT: Wolenc, Adam
; APPLICANT: Baumgartner, Jason
; APPLICANT: Shimkets, Richard
; APPLICANT: Gusev, Vladimir
; APPLICANT: Vernet, Corine
; APPLICANT: Taupier Jr., Raymond
; APPLICANT: Pena, Carol
; APPLICANT: Shenoy, Suresh
; APPLICANT: Li, Li
; APPLICANT: Casman, Stacie
; APPLICANT: Boldog, Ference
; TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoded Thereby
; FILE REFERENCE: 21402-251
; CURRENT APPLICATION NUMBER: US/10/055,877
; CURRENT FILING DATE: 2002-01-22
; PRIOR APPLICATION NUMBER: 60/262,892
; PRIOR FILING DATE: 2001-01-19
; PRIOR APPLICATION NUMBER: 60/263,598

; PRIOR FILING DATE: 2001-01-23
; PRIOR APPLICATION NUMBER: 60/263,799
; PRIOR FILING DATE: 2001-01-24
; PRIOR APPLICATION NUMBER: 60/264,117
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 60/264,139
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 60/264,478
; PRIOR FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: 60/263,351
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: 60/272,870
; PRIOR FILING DATE: 2001-03-02
; PRIOR APPLICATION NUMBER: 60/275,990
; PRIOR FILING DATE: 2001-03-14
; PRIOR APPLICATION NUMBER: 60/275,927
; PRIOR FILING DATE: 2001-03-14
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 512
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 1197
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-055-877-8

Query Match 47.0%; Score 39; DB 6; Length 1197;
Best Local Similarity 53.8%; Pred. No. 87;
Matches 7; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

QY 1 YSLPKSEFAVPDL 13
Db 1043 YGTEKDEFDIPDL 1055

RESULT 4
US-10-821-234-1353
; Sequence 1353, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pt_seq_genes Version 1.0
; SEQ ID NO 1353
; LENGTH: 433
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-821-234-1353

Query Match 45.8%; Score 38; DB 6; Length 433;
Best Local Similarity 70.0%; Pred. No. 40;
Matches 7; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 5 KSEFAVPDL 14
Db 340 KIEFSLPDL 349

RESULT 5
US-10-986-501-113
; Sequence 113, Application US/10986501
; Publication No. US20050244845A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.

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; TITLE OF INVENTION: 90 Human Secreted Proteins
; FILE REFERENCE: P2013P2C1
; CURRENT APPLICATION NUMBER: US/10/986,501
; CURRENT FILING DATE: 2004-11-12
; PRIOR APPLICATION NUMBER: US/10/621,363
; PRIOR FILING DATE: 2003-07-18
; PRIOR APPLICATION NUMBER: 09/969,730
; PRIOR FILING DATE: 2001-10-06
; PRIOR APPLICATION NUMBER: 09/774,639
; PRIOR FILING DATE: 2001-02-01
; PRIOR APPLICATION NUMBER: 60/238,291
; PRIOR FILING DATE: 2000-10-06
; PRIOR APPLICATION NUMBER: 09/244,112
; PRIOR FILING DATE: 1999-02-04
; PRIOR APPLICATION NUMBER: PCT/US98/16235
; PRIOR FILING DATE: 1998-08-04
; PRIOR APPLICATION NUMBER: 60/056,371
; PRIOR FILING DATE: 1997-08-19
; PRIOR APPLICATION NUMBER: 60/056,732
; PRIOR FILING DATE: 1997-08-19
; PRIOR APPLICATION NUMBER: 60/056,366
; PRIOR FILING DATE: 1997-08-19
; PRIOR APPLICATION NUMBER: 60/056,364
; PRIOR FILING DATE: 1997-08-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 373
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 113
; LENGTH: 97
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-996-501-113

Query Match 44.6%; Score 37; DB 6; Length 97;
Best Local Similarity 53.3%; Pred. No. 10;
Matches 8; Conservative 1; Mismatches 6; Indels 0; Gaps 0;

Qy 2 SLPKSEFAVPDLELP 16
| | | | | | | | | | | | | | | |
Db 70 SSPKVLAITDLSLP 84

RESULT 6
US-10-858-730-217
; Sequence 217, Application US/10858730
; Publication No. US20050255568A1
; GENERAL INFORMATION:
; APPLICANT: Bailey, Richard B.
; APPLICANT: Blomquist, Paul
; APPLICANT: Doten, Reed
; APPLICANT: Driggers, Edward M.
; APPLICANT: Madden, Kevin T.
; APPLICANT: O'Leary, Jessica
; APPLICANT: O'Toole, George
; APPLICANT: Trueheart, Joshua
; APPLICANT: Walbridge, Michael J.
; APPLICANT: Yorgey, Peter S.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR AMINO ACID
; FILE REFERENCE: 14184-030001
; CURRENT APPLICATION NUMBER: US/10/858,730
; CURRENT FILING DATE: 2004-06-01
; PRIOR APPLICATION NUMBER: US 60/475,000
; PRIOR FILING DATE: 2003-05-30
; PRIOR APPLICATION NUMBER: US 60/551,860
; PRIOR FILING DATE: 2004-03-10
; NUMBER OF SEQ ID NOS: 364
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 217
; LENGTH: 368
; TYPE: PRT
; ORGANISM: Coryne-bacterium glutamicum
US-10-858-730-217
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Query Match 44.6%; Score 37; DB 6; Length 368;
Best Local Similarity 60.0%; Pred. No. 49;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Qy 4 PKSEFAVPDL 13
| | | | | | | | | | | |
Db 80 PESVFAIPDV 89

RESULT 7
US-11-113-424-81
; Sequence 81, Application US/11113424
; Publication No. US20050260713A1
; GENERAL INFORMATION:
; APPLICANT: Gangolli et al.
; TITLE OF INVENTION: Polypeptides and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-225
; CURRENT APPLICATION NUMBER: US/11/113,424
; CURRENT FILING DATE: 2005-04-21
; PRIOR APPLICATION NUMBER: 60/256,704
; PRIOR FILING DATE: 2000-12-19
; PRIOR APPLICATION NUMBER: 60/311,590
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: 60/257,314
; PRIOR FILING DATE: 2000-12-20
; PRIOR APPLICATION NUMBER: 60/311,613
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: 60/315,617
; PRIOR FILING DATE: 2001-08-29
; PRIOR APPLICATION NUMBER: 60/307,506
; PRIOR FILING DATE: 2001-07-24
; PRIOR APPLICATION NUMBER: 60/322,358
; PRIOR FILING DATE: 2001-09-14
; PRIOR APPLICATION NUMBER: 60/294,075
; PRIOR FILING DATE: 2001-05-29
; PRIOR APPLICATION NUMBER: 60/288,153
; PRIOR FILING DATE: 2001-05-02
; NUMBER OF SEQ ID NOS: 190
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 81
; LENGTH: 527
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-113-424-81

Query Match 44.6%; Score 37; DB 7; Length 527;
Best Local Similarity 54.5%; Pred. No. 74;
Matches 6; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

Qy 1 YSLPKSEFAVP 11
| | | | | | | | | |
Db 473 YTCPRSAFSVP 483

RESULT 8
US-11-052-554A-142
; Sequence 142, Application US/11052554A
; Publication No. US20050288866A1
; GENERAL INFORMATION:
; APPLICANT: Sachdeva, et al.
; TITLE OF INVENTION: COMPUTATIONAL METHOD FOR IDENTIFYING ADHESIN AND ADHESIN-LIKE
; FILE REFERENCE: 30853/40359A
; CURRENT APPLICATION NUMBER: US/11/052,554A
; CURRENT FILING DATE: 2005-02-07
; PRIOR APPLICATION NUMBER: US 60/589,227
; PRIOR FILING DATE: 2004-07-20
; PRIOR APPLICATION NUMBER: IN 173/DEL/2004
; PRIOR FILING DATE: 2004-02-06
; NUMBER OF SEQ ID NOS: 763
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 142
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; LENGTH: 3157
; TYPE: PRT
; ORGANISM: Mycobacterium tuberculosis H37Rv
US-11-052-554A-142

Query Match          44.6%; Score 37; DB 7; Length 3157;
Best Local Similarity 66.7%; Pred. No. 5.8e+02;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY      8 FAVPDLELP 16
      |||||: :|
Db      1064 FAVPDIP 1072

RESULT 9
US-10-858-730-103
; Sequence 103, Application US/10858730
; Publication No. US2005025556A1
; GENERAL INFORMATION:
; APPLICANT: Bailey, Richard B.
; APPLICANT: Blomquist, Paul
; APPLICANT: Doten, Reed
; APPLICANT: Driggers, Edward M.
; APPLICANT: Madden, Kevin T.
; APPLICANT: O'Leary, Jessica
; APPLICANT: O'Toole, George
; APPLICANT: Trueheart, Joshua
; APPLICANT: Walbridge, Michael J.
; APPLICANT: Yorgey, Peter S.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR AMINO ACID
; FILE OF INVENTION: PRODUCTION
; FILE REFERENCE: 14184-030001
; CURRENT FILING DATE: 2004-06-01
; PRIOR APPLICATION NUMBER: US 60/475,000
; PRIOR FILING DATE: 2003-05-30
; PRIOR APPLICATION NUMBER: US 60/551,860
; PRIOR FILING DATE: 2004-03-10
; NUMBER OF SEQ ID NOS: 364
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 103
; LENGTH: 578
; TYPE: PRT
; ORGANISM: Streptomyces coelicolor
US-10-858-730-103

Query Match          44.0%; Score 36.5; DB 6; Length 578;
Best Local Similarity 66.7%; Pred. No. 1e+02;
Matches 8; Conservative 3; Mismatches 0; Indels 1; Gaps 1;

QY      6 SEFAPVD-LLEP 16
      ||||: |||
Db      67 SEFSLPDGLEVP 78

RESULT 10
US-10-793-626-2904
; Sequence 2904, Application US/10793626
; Publication No. US20050255478A1
; GENERAL INFORMATION:
; APPLICANT: KIMMERLY, WILLIAM JOHN
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
; FILE REFERENCE: PU3480US
; CURRENT APPLICATION NUMBER: US/10/793,626
; CURRENT FILING DATE: 2004-03-04
; PRIOR APPLICATION NUMBER: 60/164,258
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 4472
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2904
; LENGTH: 209
; TYPE: PRT
; ORGANISM: Artificial Sequence

; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
; OTHER INFORMATION: amino acid sequence
US-10-793-626-2904

Query Match          43.4%; Score 36; DB 6; Length 209;
Best Local Similarity 58.3%; Pred. No. 38;
Matches 7; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY      3 LPKSEFAVPDLE 14
      |||||: |||
Db      123 LPKGLTFPELE 134

RESULT 11
US-11-113-424-82
; Sequence 82, Application US/11113424
; Publication No. US20050260713A1
; GENERAL INFORMATION:
; APPLICANT: Gangolli et al.
; TITLE OF INVENTION: Polypeptides and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-225
; CURRENT APPLICATION NUMBER: US/11/113,424
; CURRENT FILING DATE: 2005-04-21
; PRIOR APPLICATION NUMBER: 60/256,704
; PRIOR FILING DATE: 2000-12-19
; PRIOR APPLICATION NUMBER: 60/311,590
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: 60/257,314
; PRIOR FILING DATE: 2000-12-20
; PRIOR APPLICATION NUMBER: 60/311,613
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: 60/315,617
; PRIOR FILING DATE: 2001-08-29
; PRIOR APPLICATION NUMBER: 60/307,506
; PRIOR FILING DATE: 2001-07-24
; PRIOR APPLICATION NUMBER: 60/322,358
; PRIOR FILING DATE: 2001-09-14
; PRIOR APPLICATION NUMBER: 60/294,075
; PRIOR FILING DATE: 2001-05-29
; PRIOR APPLICATION NUMBER: 60/288,153
; PRIOR FILING DATE: 2001-05-02
; NUMBER OF SEQ ID NOS: 190
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 82
; LENGTH: 529
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-113-424-82

Query Match          43.4%; Score 36; DB 7; Length 529;
Best Local Similarity 50.0%; Pred. No. 1.1e+02;
Matches 6; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY      1 YSLPKSEFAVPD 12
      |:|:|:|
Db      459 YTCPSAFSGPD 470

RESULT 12
US-11-099-691-3
; Sequence 3, Application US/11099691
; Publication No. US20050260644A1
; GENERAL INFORMATION:
; APPLICANT: INCYTE PHARMACEUTICALS, INC.
; APPLICANT: BANDMAN, Olga
; APPLICANT: HILLMAN, Jennifer L.
; APPLICANT: LAL, Preeti
; APPLICANT: YUE, Henry
; APPLICANT: TANG, Y. Tom
; APPLICANT: PATTERSON, Chandra
; APPLICANT: BAUGHN, Mariah R.
; APPLICANT: YANG, Junming
```


; TITLE OF INVENTION: CELL SIGNALING PROTEINS
; FILE REFERENCE: PP-0521 PCT
; CURRENT APPLICATION NUMBER: US/11/099,691
; CURRENT FILING DATE: 2005-04-06
; PRIOR APPLICATION NUMBER: US/09/700,444
; PRIOR FILING DATE: 2002-08-26
; PRIOR APPLICATION NUMBER: 60/085,343
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/098,010
; PRIOR FILING DATE: 1998-08-26
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PERL Program
; SEQ ID NO 3
; LENGTH: 729
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc-feature
; OTHER INFORMATION: Incyte Clone 1250171
US-11-099-691-3

Query Match 43.4%; Score 36; DB 7; Length 729;
Best Local Similarity 60.0%; Pred. No. 1.6e+02;
Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Qy 1 YSLPKSEFAV 10
|:|:|:|:|:
Db 105 YGLPESEFLI 114

RESULT 13
US-11-098-686-10592
; Sequence 10592, Application US/11098686
; Publication No. US2006002496A1
; GENERAL INFORMATION:
; APPLICANT: Kapur, Vivek and Gebhart, Connie J.
; TITLE OF INVENTION: NUCLEIC ACID AND POLYPEPTIDE SEQUENCES
; TITLE OF INVENTION: FROM LAWSONIA INTRACELLULARIS AND METHODS OF USING
; FILE REFERENCE: 09531-128001
; CURRENT APPLICATION NUMBER: US/11/098,686
; CURRENT FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: PCT/US03/31318
; PRIOR FILING DATE: 2003-10-01
; PRIOR APPLICATION NUMBER: US 60/416,395
; PRIOR FILING DATE: 2002-10-04
; NUMBER OF SEQ ID NOS: 11433
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10592
; LENGTH: 804
; TYPE: PRT
; ORGANISM: Lawsonia intracellularis
US-11-098-686-10592

Query Match 43.4%; Score 36; DB 7; Length 804;
Best Local Similarity 66.7%; Pred. No. 1.8e+02;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 4 PKSEFAVPD 12
|:|:|:|:|:
Db 739 PESDFPVPD 747

RESULT 14
US-11-016-706-40
; Sequence 40, Application US/11016706
; Publication No. US2005024433A1
; GENERAL INFORMATION:
; APPLICANT: CASTILLO, GERARDO
; APPLICANT: LAKE, THOMAS P.
; APPLICANT: NGUYEN, BETH P.
; APPLICANT: SANDERS, VIRGINIA J.
; APPLICANT: SNOW, ALAN D.
; TITLE OF INVENTION: SMALL PEPTIDES FOR THE TREATMENT OF ALZHEIMER'S DISEASE AND

; TITLE OF INVENTION: OTHER BETA-AMYLOID PROTEIN FIBRILLOGENESIS DISORDERS
; FILE REFERENCE: PROTEO.P03C13
; CURRENT APPLICATION NUMBER: US/11/016,706
; CURRENT FILING DATE: 2004-12-16
; PRIOR APPLICATION NUMBER: 09/962,955
; PRIOR FILING DATE: 2001-09-24
; PRIOR APPLICATION NUMBER: 09/938,275
; PRIOR FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: 08/947,057
; PRIOR FILING DATE: 1997-10-08
; NUMBER OF SEQ ID NOS: 89
; SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO 40
; LENGTH: 956
; TYPE: PRT
; ORGANISM: Mus musculus
US-11-016-706-40

Query Match 43.4%; Score 36; DB 7; Length 956;
Best Local Similarity 66.7%; Pred. No. 2.2e+02;
Matches 8; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 2 SLPKSEFAVPDL 13
|:|:|:|:|:
Db 883 SLPKSTARPEL 894

RESULT 15
US-11-124-367A-363
; Sequence 363, Application US/11124367A
; Publication No. US20060024700A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; APPLICANT: Hongjin Huang
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; TITLE OF INVENTION: Fibrosis Methods of Detection and Uses Thereof
; FILE REFERENCE: CL001519.ORD
; CURRENT APPLICATION NUMBER: US/11/124,367A
; CURRENT FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,846
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/582,609
; PRIOR FILING DATE: 2004-06-25
; PRIOR APPLICATION NUMBER: US 60/599,554
; PRIOR FILING DATE: 2004-08-09
; NUMBER OF SEQ ID NOS: 34460
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 363
; LENGTH: 2542
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-124-367A-363

Query Match 43.4%; Score 36; DB 7; Length 2542;
Best Local Similarity 50.0%; Pred. No. 6.7e+02;
Matches 6; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

Qy 2 SLPKSEFAVPDL 13
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Db 487 TLPEQLVVPDL 498

Search completed: February 15, 2006, 09:32:50
Job time : 1.84889 secs

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OM protein - protein search, using sw model

Run on: February 15, 2006, 09:07:30 ; Search time 6.11556 Seconds
(without alignments)
216.303 Million cell updates/sec

Title: US-10-030-937-72
Perfect score: 83
Sequence: 1 YSLPKSEFAVPDLELP 16

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Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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5: /cgn2_6/ptodata/1/iaa/RE_COMB.pep.*
6: /cgn2_6/ptodata/1/iaa/backfiles.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | DB ID | Description |
|------------|-------|-------------|--------|-------|----------------------|
| 1 | 79 | 95.2 | 178 | 2 | US-09-183-841-2 |
| 2 | 79 | 95.2 | 193 | 2 | US-09-183-841-1 |
| 3 | 47 | 56.6 | 2710 | 1 | US-08-588-459A-12 |
| 4 | 47 | 56.6 | 2710 | 1 | US-08-487-826B-12 |
| 5 | 47 | 56.6 | 2710 | 2 | US-09-210-288-12 |
| 6 | 47 | 56.6 | 2710 | 2 | US-10-153-273-12 |
| 7 | 47 | 56.6 | 3060 | 1 | US-08-487-826B-14 |
| 8 | 44 | 53.0 | 307 | 2 | US-09-543-681A-4241 |
| 9 | 43 | 51.8 | 471 | 2 | US-08-911-853-4 |
| 10 | 43 | 51.8 | 471 | 2 | US-09-479-409-4 |
| 11 | 43 | 51.8 | 471 | 2 | US-09-479-453-4 |
| 12 | 43 | 51.8 | 812 | 2 | US-09-489-039A-14282 |
| 13 | 41 | 49.4 | 74 | 2 | US-09-902-540-11402 |
| 14 | 41 | 49.4 | 186 | 2 | US-09-107-532A-5213 |
| 15 | 41 | 49.4 | 226 | 2 | US-09-107-532A-6759 |
| 16 | 41 | 49.4 | 366 | 2 | US-09-252-991A-26920 |
| 17 | 41 | 49.4 | 510 | 2 | US-08-948-564-4 |
| 18 | 40.5 | 48.8 | 476 | 2 | US-09-248-796A-20470 |
| 19 | 40 | 48.2 | 112 | 2 | US-09-489-039A-14284 |
| 20 | 40 | 48.2 | 251 | 2 | US-08-248-796A-19708 |
| 21 | 40 | 48.2 | 4536 | 2 | US-09-180-422B-27 |
| 22 | 40 | 48.2 | 4536 | 2 | US-09-079-030-1 |
| 23 | 40 | 48.2 | 4563 | 2 | US-09-108-006C-1 |
| 24 | 40 | 48.2 | 4563 | 2 | US-09-538-092-842 |
| 25 | 39.5 | 47.6 | 548 | 2 | US-09-252-991A-21629 |
| 26 | 39 | 47.0 | 40 | 2 | US-09-079-030-76 |
| 27 | 39 | 47.0 | 111 | 2 | US-10-104-047-3918 |

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| 28 | 39 | 47.0 | 580 | 2 | US-09-489-039A-14205 | Sequence 14205, A |
| 29 | 39 | 47.0 | 776 | 2 | US-09-252-991A-17570 | Sequence 17570, A |
| 30 | 39 | 47.0 | 900 | 2 | US-09-107-532A-5284 | Sequence 5284, Ap |
| 31 | 38.5 | 46.4 | 233 | 2 | US-09-094-148-2 | Sequence 2, Appli |
| 32 | 38 | 45.8 | 22 | 2 | US-09-079-030-79 | Sequence 79, Appli |
| 33 | 38 | 45.8 | 337 | 2 | US-09-252-991A-16766 | Sequence 16766, A |
| 34 | 38 | 45.8 | 349 | 2 | US-09-270-767-42023 | Sequence 42023, A |
| 35 | 38 | 45.8 | 421 | 2 | US-09-198-452A-535 | Sequence 535, App |
| 36 | 38 | 45.8 | 423 | 2 | US-09-248-796A-19425 | Sequence 19425, A |
| 37 | 38 | 45.8 | 429 | 2 | US-09-438-185A-497 | Sequence 497, App |
| 38 | 38 | 45.8 | 433 | 2 | US-09-538-092-1088 | Sequence 1088, Ap |
| 39 | 38 | 45.8 | 442 | 2 | US-09-949-016-11671 | Sequence 11671, A |
| 40 | 38 | 45.8 | 537 | 2 | US-08-886-886-17 | Sequence 17, Appl |
| 41 | 38 | 45.8 | 547 | 2 | US-09-107-532A-5905 | Sequence 5905, Ap |
| 42 | 38 | 45.8 | 564 | 2 | US-09-543-681A-6932 | Sequence 6932, Ap |
| 43 | 38 | 45.8 | 593 | 2 | US-10-447-322-2 | Sequence 2, Appli |
| 44 | 38 | 45.8 | 697 | 1 | US-08-674-351-4 | Sequence 4, Appli |
| 45 | 38 | 45.8 | 840 | 2 | US-09-079-030-214 | Sequence 214, App |

ALIGNMENTS

RESULT 1
US-09-183-841-2
; Sequence 2, Application US/09183841
; Patent No. 6423680
; GENERAL INFORMATION:
; APPLICANT: Hospital for Sick Children
; TITLE OF INVENTION: A No. 6423680el Inhibitor of Platelet Activating Factor
; FILE REFERENCE: vanz0010
; CURRENT APPLICATION NUMBER: US/09/183,841
; CURRENT FILING DATE: 1998-10-30
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 178
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: His tag at residues 1 to 17
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: amino acid
; OTHER INFORMATION: sequence of GM2 protein using His6 tag
US-09-183-841-2

Query Match 95.2%; Score 79; DB 2; Length 178;
Best Local Similarity 93.8%; Pred. No. 1.8e-06;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 1 YSLPKSEFAVPDLELP 16
| | | | | | | | | | | | | | | |
Db 130 YSLPKSEFAVPDLELP 145

RESULT 2
US-09-183-841-1
; Sequence 1, Application US/09183841
; Patent No. 6423680
; GENERAL INFORMATION:
; APPLICANT: Hospital for Sick Children
; TITLE OF INVENTION: A No. 6423680el Inhibitor of Platelet Activating Factor
; FILE REFERENCE: vanz0010
; CURRENT APPLICATION NUMBER: US/09/183,841
; CURRENT FILING DATE: 1998-10-30
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 193
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SIGNAL

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/ LOCATION: (33)..(55)
/ FEATURE:
/ OTHER INFORMATION: residues 56-63 are included in a further precursor
/ OTHER INFORMATION: form of the protein
US-09-183-841-1

Query Match          95.2%; Score 79; DB 2; Length 193;
Best Local Similarity 93.8%; Pred. No. 2e-06;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 YSLPKSEFAVPDLELP 16
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Db 145 YSLPKSEFAVPDLELP 160

RESULT 3
US-08-568-459A-12
; Sequence 12, Application US/08568459A
; Patent No. 5849306
; GENERAL INFORMATION:
; APPLICANT: Sim, Kim L.
; APPLICANT: Chitnis, Chetan
; APPLICANT: Miller, Louis H.
; APPLICANT: Peterson, David S.
; APPLICANT: Su, Xin-zhaun
; APPLICANT: Wellem, Thomas E.
; TITLE OF INVENTION: BINDING DOMAINS FROM PLASMODIUM VIVAX
; TITLE OF INVENTION: AND PLASMODIUM FALCIPARUM ERYTHROCYTE BINDING PROTEINS
; NUMBER OF SEQUENCES: 37
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Knobbe Martens Olson & Bear
; STREET: 620 Newport Center Drive 16th Floor
; CITY: Newport Beach
; STATE: California
; COUNTRY: US
; ZIP: 92660
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/568,459A
; FILING DATE: 07-DEC-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Israel, Ned
; REGISTRATION NUMBER: 29,655
; REFERENCE/DOCKET NUMBER: NIH121.001CP1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 235-0176
; TELEFAX: (619) 235-0176
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2710 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: NO
; ORIGINAL SOURCE:
; ORGANISM: Plasmodium falciparum
; US-08-568-459A-12

Query Match          56.6%; Score 47; DB 1; Length 2710;
Best Local Similarity 64.3%; Pred. No. 31;
Matches 9; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy 3 LPKSEFAVPDLELP 16
    ||||| |||||
Db 2121 LPRNDGTVDPLEXP 2134

US-08-568-459A-12
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RESULT 4
US-08-487-826B-12
; Sequence 12, Application US/08487826B
; Patent No. 5993827
; GENERAL INFORMATION:
; APPLICANT: Sim, Kim L.
; APPLICANT: Chitnis, Chetan
; APPLICANT: Miller, Louis H.
; APPLICANT: Peterson, David S.
; APPLICANT: Su, Xin-zhaun
; APPLICANT: Wellem, Thomas E.
; TITLE OF INVENTION: BINDING DOMAINS FROM PLASMODIUM VIVAX
; TITLE OF INVENTION: AND PLASMODIUM FALCIPARUM ERYTHROCYTE BINDING PROTEINS
; NUMBER OF SEQUENCES: 45
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Knobbe Martens Olson & Bear
; STREET: 620 Newport Center Drive 16th Floor
; CITY: Newport Beach
; STATE: California
; COUNTRY: US
; ZIP: 92660
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/487,826B
; FILING DATE: 10-SEP-1993
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Israel, Ned
; REGISTRATION NUMBER: 29,655
; REFERENCE/DOCKET NUMBER: NIH121.001CP1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 235-0176
; TELEFAX: (619) 235-0176
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2710 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: NO
; ORIGINAL SOURCE:
; ORGANISM: Plasmodium falciparum
; US-08-487-826B-12

Query Match          56.6%; Score 47; DB 1; Length 2710;
Best Local Similarity 64.3%; Pred. No. 31;
Matches 9; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy 3 LPKSEFAVPDLELP 16
    ||||| |||||
Db 2121 LPRNDGTVDPLEXP 2134

RESULT 5
US-09-210-288-12
; Sequence 12, Application US/09210288
; Patent No. 6392026
; GENERAL INFORMATION:
; APPLICANT: Sim, Kim L.
; APPLICANT: Chitnis, Chetan
; APPLICANT: Miller, Louis H.
; APPLICANT: Peterson, David S.
; APPLICANT: Su, Xin-zhaun
; APPLICANT: Wellem, Thomas E.
; TITLE OF INVENTION: BINDING DOMAINS FROM PLASMODIUM VIVAX
; TITLE OF INVENTION: AND PLASMODIUM FALCIPARUM ERYTHROCYTE BINDING PROTEINS
; NUMBER OF SEQUENCES: 37
; CORRESPONDENCE ADDRESS:
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ADDRESSEE: Knobbe Martens Olson & Bear
STREET: 620 Newport Center Drive 16th Floor
CITY: Newport Beach
STATE: California
COUNTRY: US
ZIP: 92660
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/210,288
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Fuller, Michael
REGISTRATION NUMBER: 36,516
REFERENCE/DOCKET NUMBER: NIH121.1FWDV1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 235-8550
TELEFAX: (619) 235-0176
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 2710 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO
ORIGINAL SOURCE:
ORGANISM: Plasmodium falciparum
US-09-210-288-12

Query Match 56.6%; Score 47; DB 2; Length 2710;
Best Local Similarity 64.3%; Pred. No. 31;
Matches 9; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy 3 LPKSEFAVPDLELP 16
|||:: |||||
Db 2121 LPKNDGTVDPLEKP 2134

RESULT 6
US-10-153-273-12
Sequence 12, Application US/10153273
Patent No. 6962987
GENERAL INFORMATION:
APPLICANT: Sim, Kim L.
Chitnis, Chetan
Miller, Louis H.
Peterson, David S.
Su, Xin-zhaun
Wellens, Thomas E.
TITLE OF INVENTION: BINDING DOMAINS FROM PLASMODIUM VIVAX
AND PLASMODIUM FALCIPARUM ERYTHROCYTE BINDING PROTEINS
NUMBER OF SEQUENCES: 37
CORRESPONDENCE ADDRESS:
ADDRESSEE: Knobbe Martens Olson & Bear
STREET: 620 Newport Center Drive 16th Floor
CITY: Newport Beach
STATE: California
COUNTRY: US
ZIP: 92660
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/153,273
FILING DATE: 21-May-2002
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/210,288
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Fuller, Michael
REGISTRATION NUMBER: 36,516
REFERENCE/DOCKET NUMBER: NIH121.1FWDV1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 235-8550
TELEFAX: (619) 235-0176
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 2710 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO
ORIGINAL SOURCE:
ORGANISM: Plasmodium falciparum
US-10-153-273-12

Query Match 56.6%; Score 47; DB 2; Length 2710;
Best Local Similarity 64.3%; Pred. No. 31;
Matches 9; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy 3 LPKSEFAVPDLELP 16
|||:: |||||
Db 2121 LPKNDGTVDPLEKP 2134

RESULT 7
US-08-487-826B-14
Sequence 14, Application US/08487826B
Patent No. 5993827
GENERAL INFORMATION:
APPLICANT: Sim, Kim L.
Chitnis, Chetan
Miller, Louis H.
Peterson, David S.
Su, Xin-zhaun
Wellens, Thomas E.
TITLE OF INVENTION: BINDING DOMAINS FROM PLASMODIUM VIVAX
AND PLASMODIUM FALCIPARUM ERYTHROCYTE BINDING PROTEINS
NUMBER OF SEQUENCES: 45
CORRESPONDENCE ADDRESS:
ADDRESSEE: Knobbe Martens Olson & Bear
STREET: 620 Newport Center Drive 16th Floor
CITY: Newport Beach
STATE: California
COUNTRY: US
ZIP: 92660
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/487,826B
FILING DATE: 10-SEP-1993
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Israelsen, Ned
REGISTRATION NUMBER: 29,655
REFERENCE/DOCKET NUMBER: NIH121.001CP1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 235-8550
TELEFAX: (619) 235-0176
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 3060 amino acids
TYPE: amino acid

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; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-487-826B-14

Query Match          56.6%; Score 47; DB 1; Length 3060;
Best Local Similarity 64.3%; Pred. No. 36;
Matches 9; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 3 LPKSEFAVPDLELP 16
    |||.: |||||
Db 2119 LPKNDGTVPDLEKP 2132

RESULT 8
US-09-543-681A-4241
; Sequence 4241, Application US/09543681A
; Patent No. 6605709
; GENERAL INFORMATION:
; APPLICANT: GARY BRETON
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABILIS
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.1002-001
; CURRENT APPLICATION NUMBER: US/09/543,681A
; CURRENT FILING DATE: 2000-04-05
; PRIOR APPLICATION NUMBER: US 60/128,706
; PRIOR FILING DATE: 1999-04-09
; NUMBER OF SEQ ID NOS: 8344
; SEQ ID NO 4241
; LENGTH: 307
; TYPE: PRT
; ORGANISM: Proteus mirabilis
US-09-543-681A-4241

Query Match          53.0%; Score 44; DB 2; Length 307;
Best Local Similarity 50.0%; Pred. No. 7.5;
Matches 7; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY 1 YSLPKSEFAVPDLE 14
    |||.: |||.:
Db 220 YSLPQGFDPDIQ 233

RESULT 9
US-08-911-853-4
; Sequence 4, Application US/08911853
; Patent No. 6048710
; GENERAL INFORMATION:
; APPLICANT: Gerritse, Gijbert
; APPLICANT: Quax, Wilhelmus J.
; TITLE OF INVENTION: EXPRESSION SYSTEM FOR ALTERED
; TITLE OF INVENTION: EXPRESSION LEVELS
; NUMBER OF SEQUENCES: 37
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genencor International
; STREET: 925 Page Mill Road
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304-1013
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/911,853
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/699,092
; FILING DATE: 16-AUG-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Glaister, Debra J
```

```
; REGISTRATION NUMBER: 33,888
; REFERENCE/DOCKET NUMBER: GC361-2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-846-7620
; TELEFAX: 650-845-6504
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 471 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-911-853-4

Query Match          51.8%; Score 43; DB 2; Length 471;
Best Local Similarity 50.0%; Pred. No. 19;
Matches 8; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

QY 1 YSLPKSEFAVPDLELP 16
    |||.: |||.:
Db 41 YSIPTFDLVVSDLRLP 56

RESULT 10
US-09-479-409-4
; Sequence 4, Application US/09479409
; Patent No. 6225106
; GENERAL INFORMATION:
; APPLICANT: Gerritse, Gijbert
; APPLICANT: Quax, Wilhelmus J.
; TITLE OF INVENTION: EXPRESSION SYSTEM FOR ALTERED
; TITLE OF INVENTION: EXPRESSION LEVELS
; NUMBER OF SEQUENCES: 37
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genencor International
; STREET: 925 Page Mill Road
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304-1013
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/479,409
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/911,853
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Glaister, Debra J
; REGISTRATION NUMBER: 33,888
; REFERENCE/DOCKET NUMBER: GC361-2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-846-7620
; TELEFAX: 650-845-6504
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 471 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-09-479-409-4

Query Match          51.8%; Score 43; DB 2; Length 471;
Best Local Similarity 50.0%; Pred. No. 19;
Matches 8; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

QY 1 YSLPKSEFAVPDLELP 16
    |||.: |||.:
Db 41 YSIPTFDLVVSDLRLP 56
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; AFFILIATION: Gary Brelvi et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 14282
; LENGTH: 812
; TYPE: PRT
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-14282

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RESULT 14
US-09-107-532A-5213
; Sequence 5213, Application US/09107532A
; Patent No. 6583275
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 7310
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD/ROM ISO9660
; COMPUTER: PC
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,532A
; FILING DATE: 30-Jun-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/085,598
; FILING DATE: 14 May 1998
; APPLICATION NUMBER: 60/051571
; FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ariniello, Pamela Deneke
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-012

```
;
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 5213:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 186 amino acids
;   TYPE: amino acid
;   TOPOLOGY: linear
;   MOLECULE TYPE: protein
;   HYPOTHETICAL: YES
;   ORIGINAL SOURCE:
;     ORGANISM: Enterococcus faecium
;   FEATURE:
;     NAME/KEY: misc_feature
;     LOCATION: (B) LOCATION 1...186
;     SEQUENCE DESCRIPTION: SEQ ID NO: 5213:
US-09-107-532A-5213

Query Match      49.4%; Score 41; DB 2; Length 186;
Best Local Similarity 64.3%; Pred. No. 14;
Matches 9; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy      2 SLPKSEFAVPDL 15
Db      37 SLPISFAAPDCAL 50

RESULT 15
US-09-107-532A-6759
; Sequence 6759, Application US/09107532A
; Patent No. 6583275
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 7310
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD/ROM ISO9660
; COMPUTER: PC
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,532A
; FILING DATE: 30-Jun-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/085,598
; FILING DATE: 14 May 1998
; APPLICATION NUMBER: 60/051571
; FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ariniello, Pamela Deneke
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GPC-012
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 6759:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 226 amino acids
;   TYPE: amino acid
;   TOPOLOGY: linear
;   MOLECULE TYPE: protein
;   HYPOTHETICAL: YES
;   ORIGINAL SOURCE:
;     ORGANISM: Enterococcus faecium
;   FEATURE:
;     NAME/KEY: misc_feature
;     LOCATION: (B) LOCATION 1...226
;     SEQUENCE DESCRIPTION: SEQ ID NO: 6759:
US-09-107-532A-6759

Query Match      49.4%; Score 41; DB 2; Length 226;
Best Local Similarity 50.0%; Pred. No. 18;
Matches 6; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

Qy      2 SLPKSEFAVPDL 13
Db      196 NLPSAEYVIPDL 207

Search completed: February 15, 2006, 09:09:06
Job time : 7.11556 secs
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GenCore version 5.1.7
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OM protein - nucleic search, using frame_plus_p2n model

Run on: February 16, 2006, 13:16:13 ; Search time 130.204 Seconds
(without alignments)
1016.172 Million cell updates/sec

Title: US-10-030-937-72

Perfect score: 83

Sequence: 1 YSLPKSEFAVPDLELP 16

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Ygapop 10.0 , Ygapext 0.5

Fgapop 6.0 , Fgapext 7.0

Delpop 6.0 , Delext 7.0

Searched: 9793542 seqs, 4134689005 residues

Total number of hits satisfying chosen parameters: 19587084

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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-Q=/abs/ABSSWEB.spool/US10030937/runat 15022006 055706 6112/app query.fasta 1

-DB=Published Applications NA Main -QPMT=fastcap -SUFFIX=rnpbm -MINMATCH=0.1

-LOOPCL=0 -LOPEXT=0 -UNITS=bits -START=1 -END=1 -MATRIX=blsum62

-TRANS=human40.cdi -LIST=45 -DALIGN=200 -THR_SCORE=pet -THR_MAX=100

-THR_MIN=0 -ALIGN=15 -MODE=LOCAL -OUTFMT=pto -NORM=ext -HEAPSIZE=500 -MINLEN=0

-MAXLEN=2000000000 -HOST=abs03h

-USER=US10030937 @CGN 1.1 1702 @runat 15022006 055706 6112 -NCPU=6 -ICPU=3

-NO_MMAP -NEG_SCORES=0 -WAIT -DSPBLOCK=100 -LONGLOG -DEV TIMEOUT=120

-WARN_TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5 -FGAPOP=6 -FGAPEXT=7

-YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database : Published Applications NA Main:

1: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq*

2: /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq*

3: /cgn2_6/ptodata/1/pubpna/US09A_PUBCOMB.seq*

4: /cgn2_6/ptodata/1/pubpna/US09B_PUBCOMB.seq*

5: /cgn2_6/ptodata/1/pubpna/US10A_PUBCOMB.seq*

6: /cgn2_6/ptodata/1/pubpna/US10B_PUBCOMB.seq*

7: /cgn2_6/ptodata/1/pubpna/US10C_PUBCOMB.seq*

8: /cgn2_6/ptodata/1/pubpna/US10D_PUBCOMB.seq*

9: /cgn2_6/ptodata/1/pubpna/US10E_PUBCOMB.seq*

10: /cgn2_6/ptodata/1/pubpna/US11_PUBCOMB.seq*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description |
|------------|-------|-------------|--------|----|---------------------|
| 1 | 79 | 95.2 | 448 | 3 | US-09-969-034-4215 |
| 2 | 79 | 95.2 | 953 | 8 | US-10-723-860-528 |
| 3 | 79 | 95.2 | 1935 | 3 | US-09-971-392-102 |
| 4 | 79 | 95.2 | 2384 | 3 | US-09-822-849A-53 |
| 5 | 79 | 95.2 | 2436 | 3 | US-09-954-531-380 |
| 6 | 79 | 95.2 | 2436 | 3 | US-09-525-978B-81 |
| 7 | 79 | 95.2 | 2436 | 9 | US-10-843-641A-1447 |

| | | | | | | |
|------|----|------|--------|----|-----------------------|---------------------|
| 8 | 79 | 95.2 | 2471 | 9 | US-10-450-763-711 | Sequence 711, App |
| 9 | 79 | 95.2 | 2478 | 6 | US-10-170-385-390 | Sequence 390, App |
| c 10 | 79 | 95.2 | 2498 | 9 | US-10-450-763-16917 | Sequence 16917, A |
| 11 | 79 | 95.2 | 3988 | 8 | US-10-723-860-5187 | Sequence 5187, Ap |
| c 12 | 79 | 95.2 | 250000 | 6 | US-10-225-810-26 | Sequence 26, Appl |
| 13 | 79 | 83.1 | 1983 | 6 | US-10-388-934-167 | Sequence 167, App |
| 14 | 68 | 81.9 | 596 | 9 | US-10-972-079-7219 | Sequence 7219, Ap |
| 15 | 68 | 81.9 | 599 | 9 | US-10-972-079-7218 | Sequence 7218, Ap |
| c 16 | 53 | 63.9 | 1098 | 9 | US-10-450-763-20108 | Sequence 20108, A |
| 17 | 49 | 59.0 | 2269 | 7 | US-10-437-963-4335 | Sequence 4335, Ap |
| c 18 | 48 | 57.8 | 475 | 7 | US-10-021-323-4461 | Sequence 4461, Ap |
| 19 | 48 | 57.8 | 475 | 8 | US-10-767-795-2700 | Sequence 2700, Ap |
| c 20 | 48 | 57.8 | 578 | 4 | US-09-925-065A-849890 | Sequence 849890, Ap |
| c 21 | 48 | 57.8 | 581 | 4 | US-09-925-065A-851142 | Sequence 851142, A |
| c 22 | 48 | 57.8 | 2796 | 7 | US-10-437-963-97626 | Sequence 97626, A |
| c 23 | 48 | 57.8 | 3335 | 7 | US-10-437-963-97629 | Sequence 97629, A |
| c 24 | 47 | 56.6 | 790 | 8 | US-10-653-047-4552 | Sequence 4552, Ap |
| c 25 | 47 | 56.6 | 3700 | 8 | US-10-899-942-6 | Sequence 6, Appli |
| c 26 | 47 | 56.6 | 4210 | 10 | US-11-097-143-12284 | Sequence 12284, A |
| c 27 | 47 | 56.6 | 4318 | 10 | US-11-097-143-28922 | Sequence 28922, A |
| 28 | 47 | 56.6 | 8220 | 5 | US-10-153-273-11 | Sequence 11, Appl |
| 29 | 47 | 56.6 | 9280 | 2 | US-08-781-986A-131 | Sequence 131, App |
| 30 | 47 | 56.6 | 9280 | 7 | US-10-329-624-131 | Sequence 131, App |
| c 31 | 47 | 56.6 | 13713 | 10 | US-11-097-143-28921 | Sequence 28921, A |
| c 32 | 47 | 56.6 | 13749 | 10 | US-11-097-143-12283 | Sequence 12283, A |
| c 33 | 47 | 56.6 | 68233 | 6 | US-10-034-650-31 | Sequence 31, Appl |
| c 34 | 47 | 56.6 | 122614 | 5 | US-10-087-192-1726 | Sequence 1726, Ap |
| c 35 | 47 | 56.6 | 402850 | 3 | US-09-844-653-5 | Sequence 5, Appli |
| c 36 | 46 | 55.4 | 442 | 8 | US-10-425-115-45305 | Sequence 45305, A |
| 37 | 46 | 55.4 | 535 | 5 | US-10-027-632-246658 | Sequence 246658, A |
| 38 | 46 | 55.4 | 535 | 6 | US-10-027-632-246658 | Sequence 246658, A |
| c 39 | 46 | 55.4 | 546 | 4 | US-09-925-065A-445784 | Sequence 445784, A |
| c 40 | 46 | 55.4 | 546 | 4 | US-09-925-065A-445785 | Sequence 445785, A |
| c 41 | 46 | 55.4 | 1062 | 3 | US-09-894-844-61 | Sequence 61, Appl |
| c 42 | 46 | 55.4 | 1062 | 7 | US-10-388-902-61 | Sequence 61, Appl |
| c 43 | 46 | 55.4 | 1062 | 7 | US-10-647-089-61 | Sequence 61, Appl |
| c 44 | 46 | 55.4 | 1195 | 9 | US-10-450-763-10876 | Sequence 10876, A |
| 45 | 46 | 55.4 | 4999 | 6 | US-10-225-486-50 | Sequence 50, Appl |

ALIGNMENTS

RESULT 1

US-09-969-034-4215
; Sequence 4215, Application US/09969034
; Publication No. US20040110668A1
; GENERAL INFORMATION:
; APPLICANT: Burgess, Christopher C.
; APPLICANT: Ascle, Jon H.
; APPLICANT: Carroll, Eddie III
; APPLICANT: Catino, Theodore J.
; APPLICANT: Dwivedi, Poorima
; APPLICANT: Molino, Gary A.
; APPLICANT: Thiagalingam, Arunthathi
; APPLICANT: Lewis, Marcia E.
; TITLE OF INVENTION: Nucleic Acid Sequences Differentially Expressed in Cancer Tissue
; FILE REFERENCE: 1657/1032
; CURRENT APPLICATION NUMBER: US/09/969,034
; CURRENT FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: 60/237,271
; PRIOR FILING DATE: 2000-02-10
; NUMBER OF SEQ ID NOS: 4494
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4215
; LENGTH: 448
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 241..277, 288, 295, 299, 300, 304, 310, 316, 343, 346, 356,
; LOCATION: 364, 370, 396, 397, 406, 410, 415, 424, 437
; OTHER INFORMATION: n = A,T,C or G

US-09-969-034-4215

Alignment Scores: 3.6e-05 Length: 448
Pred. No.: 79.00 Matches: 15
Score: 79.00
Percent Similarity: 93.8% Conservative: 0
Best Local Similarity: 93.8% Mismatches: 1
Query Match: 95.2% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-72 (1-16) x US-09-969-034-4215 (1-448)

Qy 1 TyrSerLeuProLyssSerGluPheAlaValProAspLeuGluLeuPro 16
Db 43 TACTCACTGCCCAAGAGCGAATTCGTTGCTGACCTGGAGCTGCC 90

RESULT 2

US-10-723-860-528
; Sequence 528, Application US/10723860
; Publication No. US20040253606A1

; GENERAL INFORMATION:
; APPLICANT: Aziz, Natasha
; APPLICANT: Ginsburg, Wendy M.
; APPLICANT: Zlotnik, Albert
; TITLE OF INVENTION: Methods of Diagnosis of Soft Tissue Sarcoma, Compositions &
; TITLE OF INVENTION: Methods for Screening for Soft Tissue Sarcoma Modulators
; FILE REFERENCE: 05882.0193.NPUS01
; CURRENT APPLICATION NUMBER: US/10/723,860
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: 60/429,739
; PRIOR FILING DATE: 2002-11-26
; NUMBER OF SEQ ID NOS: 8393
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 528
; LENGTH: 953
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-723-860-528

Alignment Scores: 8.56e-05 Length: 953
Pred. No.: 79.00 Matches: 15
Score: 79.00
Percent Similarity: 93.8% Conservative: 0
Best Local Similarity: 93.8% Mismatches: 1
Query Match: 95.2% Indels: 0
DB: 8 Gaps: 0

US-10-030-937-72 (1-16) x US-10-723-860-528 (1-953)

Qy 1 TyrSerLeuProLyssSerGluPheAlaValProAspLeuGluLeuPro 16
Db 523 TACTCACTGCCCAAGAGCGAATTCGTTGCTGACCTGGAGCTGCC 570

RESULT 3

US-09-971-392-102
; Sequence 102, Application US/09971392
; Publication No. US20030134283A1

; GENERAL INFORMATION:
; APPLICANT: Peterson, David P.
; APPLICANT: Pearson, Benjamin G.
; APPLICANT: Cocks, Benjamin G.
; TITLE OF INVENTION: GENES REGULATED IN DENDRITIC CELL DIFFERENTIATION
; FILE REFERENCE: PA-0029 US
; CURRENT APPLICATION NUMBER: US/09/971,392
; CURRENT FILING DATE: 2001-10-03
; PRIOR APPLICATION NUMBER: 60/237,652
; PRIOR FILING DATE: 2000-10-03
; NUMBER OF SEQ ID NOS: 260
; SOFTWARE: PERL Program
; SEQ ID NO 102
; LENGTH: 1935
; TYPE: DNA
; ORGANISM: Homo sapiens

; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Template ID: 977615.8
US-09-971-392-102

Alignment Scores: 0.000193 Length: 1935
Pred. No.: 79.00 Matches: 15
Score: 79.00
Percent Similarity: 93.8% Conservative: 0
Best Local Similarity: 93.8% Mismatches: 1
Query Match: 95.2% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-72 (1-16) x US-09-971-392-102 (1-1935)

Qy 1 TyrSerLeuProLyssSerGluPheAlaValProAspLeuGluLeuPro 16
Db 534 TACTCACTGCCCAAGAGCGAATTCGTTGCTGACCTGGAGCTGCC 581

RESULT 4

US-09-822-849A-53
; Sequence 53, Application US/09822849A
; Patent No. US20020045170A1
; GENERAL INFORMATION:
; APPLICANT: Wong, Gordon G.
; APPLICANT: Clark, Hilary
; APPLICANT: Fechtel, Kim
; APPLICANT: Agostino, Michael J.
; APPLICANT: Howes, Steven H.
; APPLICANT: Resnick, Richard J.
; APPLICANT: Gulukota, Kamalakara
; APPLICANT: Graham, James R.
; APPLICANT: Genetics Institute, Inc.
; TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING NOVEL SECRETED PROTEINS
; FILE REFERENCE: GIN 6403
; CURRENT APPLICATION NUMBER: US/09/822,849A
; CURRENT FILING DATE: 2001-09-04
; PRIOR APPLICATION NUMBER: 60/195,582
; PRIOR FILING DATE: 2000-04-06
; NUMBER OF SEQ ID NOS: 598
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 53
; LENGTH: 2384
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-822-849A-53

Alignment Scores: 0.000245 Length: 2384
Pred. No.: 79.00 Matches: 15
Score: 79.00
Percent Similarity: 93.8% Conservative: 0
Best Local Similarity: 93.8% Mismatches: 1
Query Match: 95.2% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-72 (1-16) x US-09-822-849A-53 (1-2384)

Qy 1 TyrSerLeuProLyssSerGluPheAlaValProAspLeuGluLeuPro 16
Db 445 TACTCACTGCCCAAGAGCGAATTCGTTGCTGACCTGGAGCTGCC 492

RESULT 5

US-09-954-531-380
; Sequence 380, Application US/09954531
; Patent No. US20020165180A1
; GENERAL INFORMATION:
; APPLICANT: Weaver, Zoe
; TITLE OF INVENTION: Gene Sets
; FILE REFERENCE: 689290-77
; CURRENT APPLICATION NUMBER: US/09/954,531
; CURRENT FILING DATE: 2002-05-02
; PRIOR APPLICATION NUMBER: US/60/233,133

; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: US/60/234,009
; PRIOR FILING DATE: 2000-09-20
; PRIOR APPLICATION NUMBER: US/60/234,034
; PRIOR FILING DATE: 2000-09-20
; PRIOR APPLICATION NUMBER: US/60/234,509
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: US/60/234,567
; PRIOR FILING DATE: 2000-09-22
; NUMBER OF SEQ ID NOS: 1392
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 380
; LENGTH: 2436
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-954-531-380

Alignment Scores:
Pred. No.: 0.000251 Length: 2436
Score: 79.00 Matches: 15
Percent Similarity: 93.8% Conservative: 0
Best Local Similarity: 93.8% Mismatches: 1
Query Match: 95.2% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-72 (1-16) x US-09-954-531-380 (1-2436)

Qy 1 TyrSerLeuProLysSerGluPheAlaValProAspLeuGluLeuPro 16
|||||
Db 491 TACTCACTGCCCAAGAGCGAATTCGTTGCTGCCTGACCTGGAGCTGCC 538

RESULT 6

US-09-525-978B-81
; Sequence 81, Application US/09525978B
; Publication No. US2003004972A1
; GENERAL INFORMATION:
; APPLICANT: Murray, Richard
; APPLICANT: Caras, Ingrid W.
; APPLICANT: Hevezl, Peter
; APPLICANT: Wilson, Keith
; TITLE OF INVENTION: NOVEL METHODS OF DIAGNOSING MACROPHAGE DEVELOPMENT
; TITLE OF INVENTION: RELATED DISORDERS, COMPOSITIONS, AND METHODS OF
; TITLE OF INVENTION: SCREENING FOR MACROPHAGE DEVELOPMENT MODULATORS
; FILE REFERENCE: A-67413-1/DJB/JUD
; CURRENT APPLICATION NUMBER: US/09/525,978B
; CURRENT FILING DATE: 2000-03-15
; PRIOR APPLICATION NUMBER: USN 60/124,530
; PRIOR FILING DATE: 1999-03-15
; NUMBER OF SEQ ID NOS: 83
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 81
; LENGTH: 2436
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-525-978B-81

Alignment Scores:
Pred. No.: 0.000251 Length: 2436
Score: 79.00 Matches: 15
Percent Similarity: 93.8% Conservative: 0
Best Local Similarity: 93.8% Mismatches: 1
Query Match: 95.2% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-72 (1-16) x US-09-525-978B-81 (1-2436)

Qy 1 TyrSerLeuProLysSerGluPheAlaValProAspLeuGluLeuPro 16
|||||
Db 491 TACTCACTGCCCAAGAGCGAATTCGTTGCTGCCTGACCTGGAGCTGCC 538

RESULT 7

US-10-843-641A-1447
; Sequence 1447, Application US/10843641A

; Publication No. US20050064454A1
; GENERAL INFORMATION:
; APPLICANT: Avalon Pharmaceuticals, Inc.
; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using
; FILE REFERENCE: 689290-189
; CURRENT APPLICATION NUMBER: US/10/843,641A
; CURRENT FILING DATE: 2004-05-12
; PRIOR APPLICATION NUMBER: US/09/873,367
; PRIOR FILING DATE: 2001-06-05
; PRIOR APPLICATION NUMBER: US/09/954,531
; PRIOR FILING DATE: 2001-09-18
; PRIOR APPLICATION NUMBER: US/09/954,456
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US/09/962,436
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US/09/962,832
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US/09/964,824
; PRIOR FILING DATE: 2001-09-27
; PRIOR APPLICATION NUMBER: US/09/967,768
; PRIOR FILING DATE: 2001-09-28
; PRIOR APPLICATION NUMBER: US/09/968,007
; PRIOR FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US/09/969,347
; PRIOR FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US/09/969,708
; PRIOR FILING DATE: 2001-10-03
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 8447
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1447
; LENGTH: 2436
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-843-641A-1447

Alignment Scores:
Pred. No.: 0.000251 Length: 2436
Score: 79.00 Matches: 15
Percent Similarity: 93.8% Conservative: 0
Best Local Similarity: 93.8% Mismatches: 1
Query Match: 95.2% Indels: 0
DB: 9 Gaps: 0

US-10-030-937-72 (1-16) x US-10-843-641A-1447 (1-2436)

Qy 1 TyrSerLeuProLysSerGluPheAlaValProAspLeuGluLeuPro 16
|||||
Db 491 TACTCACTGCCCAAGAGCGAATTCGTTGCTGCCTGACCTGGAGCTGCC 538

RESULT 8

US-10-450-763-711
; Sequence 711, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 711
; LENGTH: 2471
; TYPE: DNA
; ORGANISM: Homo sapiens

;
; FEATURE:
; NAME/KEY: SIMILAR
; LOCATION: (93)..(671)
; OTHER INFORMATION: 100% homologous to Homo sapiens G-M2 activator
; OTHER INFORMATION: protein, accession number M76477, Smith-Waterman Score=1017.
US-10-450-763-711

Alignment Scores:
Pred. No.: 0.000255 Length: 2471
Score: 79.00 Matches: 15
Percent Similarity: 93.8% Conservative: 0
Best Local Similarity: 93.8% Mismatches: 1
Query Match: 95.2% Indels: 0
DB: 9 Gaps: 0

US-10-030-937-72 (1-16) x US-10-450-763-711 (1-2471)

QY 1 TyrSerLeuProLysSerGluPheAlaValProAspLeuGluLeuPro 16
|||
DB 525 TACTCACTGCCAAGAGCGAATTGTTGTGCTGACCTGGAGCTGCC 572

RESULT 9

US-10-170-385-390

; Sequence 390, Application US/10170385

; Publication No. US2003020372A1

; GENERAL INFORMATION:

; APPLICANT: Ward, Neil Raymond

; APPLICANT: Mundy, Christopher Robert

; APPLICANT: Kan, On

; APPLICANT: Harris, Robert Alan

; APPLICANT: White, Jonathan

; APPLICANT: Binley, Katie Mary

; APPLICANT: Rayner, William Nigel

; APPLICANT: Naylor, Stuart

; APPLICANT: Kingsman, Susan Mary

; APPLICANT: Krige, David

; TITLE OF INVENTION: ANALYSIS METHOD

; FILE REFERENCE: 532682000100

; CURRENT APPLICATION NUMBER: US/10/170,385

; CURRENT FILING DATE: 2002-06-12

; PRIOR FILING DATE: 2002-06-12

; PRIOR FILING DATE: 2002-04-08

; PRIOR APPLICATION NUMBER: PCT/GB02/01662

; PRIOR APPLICATION NUMBER: PCT/GB01/05458

; PRIOR FILING DATE: 2001-12-10

; NUMBER OF SEQ ID NOS: 549

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 390

; LENGTH: 2478

; TYPE: DNA

; ORGANISM: Homo Sapiens

US-10-170-385-390

Alignment Scores:

Pred. No.: 0.000256 Length: 2478
Score: 79.00 Matches: 15
Percent Similarity: 93.8% Conservative: 0
Best Local Similarity: 93.8% Mismatches: 1
Query Match: 95.2% Indels: 0
DB: 6 Gaps: 0

US-10-030-937-72 (1-16) x US-10-170-385-390 (1-2478)

QY 1 TyrSerLeuProLysSerGluPheAlaValProAspLeuGluLeuPro 16
|||
DB 528 TACTCACTGCCAAGAGCGAATTGTTGTGCTGACCTGGAGCTGCC 575

RESULT 10

US-10-450-763-16917/c

; Sequence 16917, Application US/10450763

; Publication No. US20050196754A1

; GENERAL INFORMATION:

; APPLICANT: Hyseq, Inc

; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES

; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 16917
; LENGTH: 2498
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SIMILAR
; LOCATION: (2628)..(2714)
; OTHER INFORMATION: 74% homologous to Homo sapiens Human secreted protein, SEQ ID
; OTHER INFORMATION: NO: 6532, accession number G02451, Smith-Waterman Score=98.
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(2498)
; OTHER INFORMATION: n = a,t,c or g
US-10-450-763-16917

Alignment Scores:

Pred. No.: 0.000259 Length: 2498
Score: 79.00 Matches: 15
Percent Similarity: 93.8% Conservative: 0
Best Local Similarity: 93.8% Mismatches: 1
Query Match: 95.2% Indels: 0
DB: 9 Gaps: 0

US-10-030-937-72 (1-16) x US-10-450-763-16917 (1-2498)

QY 1 TyrSerLeuProLysSerGluPheAlaValProAspLeuGluLeuPro 16
|||
DB 2008 TACTCACTGCCAAGAGCGAATTGTTGTGCTGACCTGGAGCTGCC 1961

RESULT 11

US-10-723-860-5187

; Sequence 5187, Application US/10723860

; Publication No. US20040253606A1

; GENERAL INFORMATION:

; APPLICANT: Aziz, Natasha

; APPLICANT: Ginsburg, Wendy M.

; APPLICANT: Zlotnik, Albert

; TITLE OF INVENTION: Methods of Diagnosis of Soft Tissue Sarcoma, Compositions &

; FILE REFERENCE: 05882.0193.NPUS01

; CURRENT APPLICATION NUMBER: US/10/723,860

; CURRENT FILING DATE: 2003-11-26

; PRIOR APPLICATION NUMBER: 60/429,739

; PRIOR FILING DATE: 2002-11-26

; NUMBER OF SEQ ID NOS: 8193

; SOFTWARE: PatentIn version 3.2

; SEQ ID NO 5187

; LENGTH: 3988

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: misc feature

; LOCATION: (2864)..(2894)

; OTHER INFORMATION: n is a, c, g, or t

; FEATURE:

; NAME/KEY: misc feature

; LOCATION: (3472)..(3486)

; OTHER INFORMATION: n is a, c, g, or t

US-10-723-860-5187

Alignment Scores:

Pred. No.: 0.000442 Length: 3988

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Score: 79.00 Matches: 15
Percent Similarity: 93.8% Conservative: 0
Best Local Similarity: 93.8% Mismatches: 1
Query Match: 95.2% Indels: 0
DB: 8 Gaps: 0

US-10-030-937-72 (1-16) x US-10-723-860-5187 (1-3988)

Qy 1 TyrSerLeuProLysSerGluPheAlaValProAspLeuGluLeuPro 16
Db 528 TACTCACTGCCCAAGAGCGAATTGCTGTGCTGACCTGGAGCTGCC 575

RESULT 12
US-10-225-810-26/c
; Sequence 26, Application US/10225810
; Publication No. US20030157512A1
; GENERAL INFORMATION:
; APPLICANT: Berningham, Jr., John R.
; TITLE OF INVENTION: Tramdorins and Methods of Using Tramdorin
; FILE REFERENCE: McLaugh-07165
; CURRENT APPLICATION NUMBER: US/10/225,810
; CURRENT FILING DATE: 2002-08-21
; NUMBER OF SEQ ID NOS: 76
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 26
; LENGTH: 250000
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (33774)..(33774)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (42953)..(43052)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (45557)..(45656)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (48203)..(48302)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (49551)..(49650)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (51561)..(51660)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (52722)..(52821)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (53864)..(53963)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (56674)..(56773)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (57879)..(57978)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
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; NAME/KEY: misc feature
; LOCATION: (78952)..(79051)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (85316)..(85415)
; OTHER INFORMATION: n is a, c, g, or t
US-10-225-810-26

Alignment Scores:
Pred. No.: 0.051 Length: 250000
Score: 79.00 Matches: 15
Percent Similarity: 93.8% Conservative: 0
Best Local Similarity: 93.8% Mismatches: 1
Query Match: 95.2% Indels: 0
DB: 6 Gaps: 0

US-10-030-937-72 (1-16) x US-10-225-810-26 (1-250000)

Qy 1 TyrSerLeuProLysSerGluPheAlaValProAspLeuGluLeuPro 16
Db 249623 TACTCACTGCCCAAGAGCGAATTGCTGTGCTGACCTGGAGCTGCC 249576

RESULT 13
US-10-388-934-167
; Sequence 167, Application US/10388934
; Publication No. US20040005547A1
; GENERAL INFORMATION:
; APPLICANT: Boess, Franziska
; APPLICANT: Suter-Dick, Laura
; APPLICANT: Wolf, Detlef
; TITLE OF INVENTION: BIOMARKERS AND EXPRESSION PROFILES FOR TOXICOLOGY
; FILE REFERENCE: 21199
; CURRENT APPLICATION NUMBER: US/10/388,934
; CURRENT FILING DATE: 2003-03-14
; PRIOR APPLICATION NUMBER: 02005336.9
; PRIOR FILING DATE: 2002-03-14
; PRIOR APPLICATION NUMBER: 02015657.6
; PRIOR FILING DATE: 2002-07-17
; NUMBER OF SEQ ID NOS: 862
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 167
; LENGTH: 1983
; TYPE: DNA
; ORGANISM: Rattus sp.
US-10-388-934-167

Alignment Scores:
Pred. No.: 0.0153 Length: 1983
Score: 69.00 Matches: 13
Percent Similarity: 81.2% Conservative: 0
Best Local Similarity: 81.2% Mismatches: 3
Query Match: 83.1% Indels: 0
DB: 6 Gaps: 0

US-10-030-937-72 (1-16) x US-10-388-934-167 (1-1983)

Qy 1 TyrSerLeuProLysSerGluPheAlaValProAspLeuGluLeuPro 16
Db 462 TACTCACTGCTTCGAGCAACTTCACAGTGCCTGATCTGGAGCTTCCA 509

RESULT 14
US-10-972-079-7219
; Sequence 7219, Application US/10972079
; Publication No. US2005015317A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: ROSENFELD, David
; APPLICANT: KERR, Richard
; APPLICANT: BATES, Stephen
; APPLICANT: HOLM, Tom
; TITLE OF INVENTION: METHODS & SYSTEMS FOR INFERRING TRAITS TO BREED & MANAGE NON-BEEF
```

; TITLE OF INVENTION: LIVESTOCK
; FILE REFERENCE: WM1110-2
; CURRENT APPLICATION NUMBER: US/10/972,079
; CURRENT FILING DATE: 2004-10-22
; PRIOR APPLICATION NUMBER: US 60/514,333
; PRIOR FILING DATE: 2003-10-24
; NUMBER OF SEQ ID NOS: 96631
; SOFTWARE: PatentIN version 3.1
; SEQ ID NO 7219
; LENGTH: 596
; TYPE: DNA
; ORGANISM: Chicken 19866894191999_2
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(32)
; OTHER INFORMATION: n is any nucleotide
US-10-972-079-7219

Alignment Scores:
Pred. No.: 0.00595 Length: 596
Score: 68.00 Matches: 12
Percent Similarity: 93.8% Conservative: 3
Best Local Similarity: 75.0% Mismatches: 1
Query Match: 81.9% Indels: 0
DB: 9 Gaps: 0
US-10-030-937-72 (1-16) x US-10-972-079-7219 (1-596)

Qy 1 TyrSerLeuProLysSerGluPheAlaValProAspLeuGluLeuPro 16
Db 353 TACTCACTGCCCGCCAGCGACTTGCCTGCCCGACGTCGAGCTGCC 400

RESULT 15
US-10-972-079-7218
; Sequence 7218, Application US/10972079
; Publication No. US20050153317A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: ROSENFELD, David
; APPLICANT: KERR, Richard
; APPLICANT: BATES, Stephen
; APPLICANT: HOLM, Tom
; TITLE OF INVENTION: METHODS & SYSTEMS FOR INFERRING TRAITS TO BREED & MANAGE NON-BEER
; FILE REFERENCE: WM1110-2
; CURRENT APPLICATION NUMBER: US/10/972,079
; CURRENT FILING DATE: 2004-10-22
; PRIOR APPLICATION NUMBER: US 60/514,333
; PRIOR FILING DATE: 2003-10-24
; NUMBER OF SEQ ID NOS: 96631
; SOFTWARE: PatentIN version 3.1
; SEQ ID NO 7218
; LENGTH: 599
; TYPE: DNA
; ORGANISM: Chicken 19866894191999_1
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(114)
; OTHER INFORMATION: n is any nucleotide
US-10-972-079-7218

Alignment Scores:
Pred. No.: 0.00598 Length: 599
Score: 68.00 Matches: 12
Percent Similarity: 93.8% Conservative: 3
Best Local Similarity: 75.0% Mismatches: 1
Query Match: 81.9% Indels: 0
DB: 9 Gaps: 0
US-10-030-937-72 (1-16) x US-10-972-079-7218 (1-599)

Qy 1 TyrSerLeuProLysSerGluPheAlaValProAspLeuGluLeuPro 16

Db 435 TACTCACTGCCCGCCAGCGACTTGCCTGCCCGACGTCGAGCTGCC 482
Search completed: February 16, 2006, 13:51:59
Job time : 140.204 secs

GenCore version 5.1.7
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OM protein - nucleic search, using frame_plus_p2n model

Run on: February 16, 2006, 13:19:45 ; Search time 234.951 Seconds
(without alignments)
144.557 Million cell updates/sec

Title: US-10-030-937-72
Perfect score: 83
Sequence: 1 YSLPKSEFAVPDLPLP 16

Scoring table: BLOSUM62
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Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 7204252 seqs, 1061369211 residues

Total number of hits satisfying chosen parameters: 14408504

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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-TRANS=human40.cdi -LIST=45 -DOCALIGN=200 -THR_SCORE=pct -THR_MAX=100
-THR_MIN=0 -ALIGN=15 -MODE=LOCAL -OUTFMT=ptc -NORM=ext -HEADSIZE=500 -MINLEN=0
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-YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database :

Published Applications NA New:
1: /cgn2_6/ptodata/1/pubpna/US08_NEW_PUB.seq.*
2: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq.*
3: /cgn2_6/ptodata/1/pubpna/US07_NEW_PUB.seq.*
4: /cgn2_6/ptodata/1/pubpna/PCT_NEW_PUB.seq.*
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7: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq.*
8: /cgn2_6/ptodata/1/pubpna/US11_NEW_PUB.seq.*
9: /cgn2_6/ptodata/1/pubpna/US11_NEW_PUB.seq.*
10: /cgn2_6/ptodata/1/pubpna/US11_NEW_PUB.seq2.*
11: /cgn2_6/ptodata/1/pubpna/US11_NEW_PUB.seq3.*
12: /cgn2_6/ptodata/1/pubpna/US11_NEW_PUB.seq4.*
13: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length DB | ID | Description |
|------------|-------|-------------|-----------|----|-----------------------|
| 1 | 79 | 95.2 | 2471 | 8 | US-10-821-234-310 |
| 2 | 49 | 59.0 | 100000 | 12 | US-11-124-368A-2913 |
| 3 | 48 | 57.8 | 535 | 12 | US-11-000-688-930 |
| 4 | 48 | 57.8 | 578 | 6 | US-09-925-065A-849890 |

| | | | | | |
|----|------|---------|----|-----------------------|-------------------|
| 5 | 57.8 | 581 | 6 | US-09-925-065A-851142 | Sequence 851142, |
| 47 | 56.6 | 4048 | 12 | US-11-024-959-132 | Sequence 132, App |
| 46 | 55.4 | 546 | 6 | US-09-925-065A-445784 | Sequence 445784, |
| 46 | 55.4 | 546 | 6 | US-09-925-065A-445785 | Sequence 445785, |
| 8 | 55.4 | 1062 | 12 | US-11-143-401-61 | Sequence 61, Appl |
| 46 | 55.4 | 1065 | 12 | US-11-052-554A-540 | Sequence 540, App |
| 11 | 54.2 | 420 | 6 | US-09-925-065A-839566 | Sequence 839566, |
| 45 | 54.2 | 537 | 6 | US-09-925-065A-162282 | Sequence 162282, |
| 12 | 54.2 | 601 | 6 | US-09-925-065A-281834 | Sequence 281834, |
| 13 | 54.2 | 1129 | 6 | US-09-925-065A-281833 | Sequence 281833, |
| 14 | 54.2 | 1129 | 6 | US-11-112-944-12 | Sequence 12, Appl |
| 15 | 54.2 | 2015 | 12 | US-11-080-991-43 | Sequence 43, Appl |
| 16 | 53.0 | 201 | 12 | US-11-124-368A-18169 | Sequence 18169, A |
| 17 | 53.0 | 474 | 6 | US-09-925-065A-268769 | Sequence 268769, |
| 18 | 53.0 | 515 | 6 | US-09-925-065A-169200 | Sequence 169200, |
| 19 | 53.0 | 524 | 6 | US-09-925-065A-627473 | Sequence 627473, |
| 20 | 53.0 | 644 | 6 | US-09-925-065A-757094 | Sequence 757094, |
| 21 | 53.0 | 649 | 6 | US-09-925-065A-740530 | Sequence 740530, |
| 22 | 53.0 | 1509 | 8 | US-10-750-185-29900 | Sequence 29900, A |
| 23 | 53.0 | 1509 | 8 | US-10-750-623-29900 | Sequence 29900, A |
| 24 | 53.0 | 2469 | 8 | US-10-750-185-38519 | Sequence 38519, A |
| 25 | 53.0 | 2469 | 8 | US-10-750-623-38519 | Sequence 38519, A |
| 26 | 53.0 | 3097 | 8 | US-10-750-185-32217 | Sequence 32217, A |
| 27 | 53.0 | 3097 | 8 | US-10-750-623-32217 | Sequence 32217, A |
| 28 | 53.0 | 8239 | 12 | US-11-136-527-3426 | Sequence 3426, Ap |
| 29 | 53.0 | 1691140 | 12 | US-11-091-018-1 | Sequence 1, Appli |
| 30 | 51.8 | 201 | 8 | US-10-995-561-82094 | Sequence 82094, A |
| 31 | 51.8 | 614 | 6 | US-09-925-065A-140730 | Sequence 140730, |
| 32 | 51.8 | 643 | 6 | US-09-925-065A-743875 | Sequence 743875, |
| 33 | 51.8 | 785 | 6 | US-09-925-065A-922192 | Sequence 922192, |
| 34 | 51.8 | 845 | 6 | US-09-925-065A-717578 | Sequence 717578, |
| 35 | 51.8 | 1253 | 8 | US-10-750-185-33356 | Sequence 33356, A |
| 36 | 51.8 | 1253 | 8 | US-10-750-623-33356 | Sequence 33356, A |
| 37 | 51.8 | 4248 | 8 | US-10-750-185-30707 | Sequence 30707, A |
| 38 | 51.8 | 4248 | 8 | US-10-750-623-30707 | Sequence 30707, A |
| 39 | 51.8 | 4248 | 8 | US-11-052-554A-467 | Sequence 467, App |
| 40 | 51.8 | 5085 | 12 | US-11-052-554A-467 | Sequence 467, App |
| 41 | 51.2 | 195235 | 8 | US-10-995-561-13495 | Sequence 13495, A |
| 42 | 51.2 | 650 | 12 | US-11-128-061-3223 | Sequence 3223, Ap |
| 43 | 51.2 | 650 | 12 | US-11-128-049-3223 | Sequence 3223, Ap |
| 44 | 51.2 | 212716 | 12 | US-11-121-086-95 | Sequence 95, Appl |
| 45 | 50.6 | 531 | 6 | US-09-925-065A-353032 | Sequence 353032, |

ALIGNMENTS

RESULT 1

US-10-821-234-310
; Sequence 310, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pt_seq_genes Version 1.0
; SEQ ID NO 310
; LENGTH: 2471
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-821-234-310

Alignment Scores:
Pred. No.: 0.000548
Score: 79.00
Percent Similarity: 93.8%
Mismatches: 15
Conservative: 0
Mismatches: 1

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Query Match: 95.2% Indels: 0
DB: 8 Gaps: 0

US-10-030-937-72 (1-16) x US-10-821-234-310 (1-2471)

Qy 1 TyrSerLeuProlysserGluPheAlaValProAspLeuGluLeuPro 16
   |||||
Db 528 TACTCACTGCCAAGACGCAATTCTGTTGCTGCTGACCTGGAGCTGCC 575

RESULT 2
US-11-124-368A-2913
; Sequence 2913, Application US/11124368A
; Publication No. US2005028754A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; APPLICANT: James J. Devlin
; APPLICANT: May Luke
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; TITLE OF INVENTION: Vascular Diseases, Methods of Detection and Uses Thereof
; FILE REFERENCE: CL001524
; CURRENT APPLICATION NUMBER: US/11/124,368A
; CURRENT FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,845
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/625,936
; PRIOR FILING DATE: 2004-11-09
; NUMBER OF SEQ ID NOS: 21112
; SOFTWARE: Fast-SEQ for Windows Version 4.0
; SEQ ID NO 2913
; LENGTH: 100000
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-124-368A-2913

Alignment Scores:
Pred. No.: 1.38e+04 Length: 100000
Score: 49.00 Matches: 8
Percent Similarity: 84.6% Conservative: 3
Best Local Similarity: 61.5% Mismatches: 2
Query Match: 59.0% Indels: 0
DB: 12 Gaps: 0

US-10-030-937-72 (1-16) x US-11-124-368A-2913 (1-100000)

Qy 4 ProlysesGluPheAlaValProAspLeuGluLeuPro 16
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Db 25287 CCCAGAGTATCTGCTTGTCCAGACATGGAAGTGCCT 25325

RESULT 3
US-11-000-688-930/c
; Sequence 930, Application US/11000688
; Publication No. US2005028754A1
; GENERAL INFORMATION:
; APPLICANT: BERTUCCI, Francois
; APPLICANT: HOULGATTE, Remi
; APPLICANT: BIRNBAUM, Daniel
; TITLE OF INVENTION: GENE EXPRESSION PROFILING OF COLON CANCER WITH DNA ARRAYS
; FILE REFERENCE: 1423-R-03
; CURRENT APPLICATION NUMBER: US/11/000,688
; CURRENT FILING DATE: 2004-12-01
; PRIOR APPLICATION NUMBER: US 60/525,987
; PRIOR FILING DATE: 2003-12-01
; NUMBER OF SEQ ID NOS: 1596
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 930
; LENGTH: 535
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial sequences:primer
; NAME/KEY: misc feature
; LOCATION: (1)..(535)

; OTHER INFORMATION: 5' terminal sequence from clone
; OTHER INFORMATION: image:364687.cd5 antigen (p56-62) (CD5) gene.
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (138)..(138)
; OTHER INFORMATION: n is a, c, g, or t
US-11-000-688-930

Alignment Scores:
Pred. No.: 41.3 Length: 535
Score: 48.00 Matches: 9
Percent Similarity: 75.0% Conservative: 3
Best Local Similarity: 56.2% Mismatches: 4
Query Match: 57.8% Indels: 0
DB: 12 Gaps: 0

US-10-030-937-72 (1-16) x US-11-000-688-930 (1-535)

Qy 1 TyrSerLeuProlysserGluPheAlaValProAspLeuGluLeuPro 16
   |||||
Db 518 TTGTCCTCCCTAAGACGACGCTTCTCAGTTCCCTTTTGAGGAGCCCC 471

RESULT 4
US-09-925-065A-849890/c
; Sequence 849890, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 849890
; LENGTH: 578
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-849890

Alignment Scores:
Pred. No.: 45.2 Length: 578
Score: 48.00 Matches: 9
Percent Similarity: 71.4% Conservative: 1
Best Local Similarity: 64.3% Mismatches: 4
Query Match: 57.8% Indels: 0
DB: 6 Gaps: 0

US-10-030-937-72 (1-16) x US-09-925-065A-849890 (1-578)

Qy 1 TyrSerLeuProlysserGluPheAlaValProAspLeuGlu 14
   |||||
Db 436 TATTCAAGCCCAAGAAAGAAATTTACTGTACCAATTTGAA 395

RESULT 5
US-09-925-065A-851142
; Sequence 851142, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
```



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; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 851142
; LENGTH: 581
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-851142

Alignment Scores:
Pred. No.: 45.5 Length: 581
Score: 48.00 Matches: 9
Percent Similarity: 71.4% Conservative: 1
Best Local Similarity: 64.3% Mismatches: 4
Query Match: 57.8% Indels: 0
DB: 6 Gaps: 0

US-10-030-937-72 (1-16) x US-09-925-065A-851142 (1-581)

Qy 1 TyrSerLeuProLysSerGluPheAlaValProAspLeuGlu 14
Db 144 TATTCAAAGCCAAAGAAAGATTACTGTACCAATTGGAA 185

RESULT 6
US-11-024-959-132/c
; Sequence 132, Application US/11024959
; Publication No. US20060010516A1
; GENERAL INFORMATION:
; APPLICANT: FORSTER, RICHARD L.
; APPLICANT: CONNETT, MARIE B.
; APPLICANT: EMERSON, SARAH JANE
; APPLICANT: GRIGOR, MURRAY ROBERT
; APPLICANT: HIGGINS, COLLEEN M.
; APPLICANT: LUND, STEVEN TROY
; APPLICANT: MAGUSIN, ANDREAS
; APPLICANT: KODRZYCKI, BOB
; TITLE OF INVENTION: CELL CYCLE GENES AND RELATED METHODS
; FILE REFERENCE: 044463-0360
; CURRENT APPLICATION NUMBER: US/11/024,959
; CURRENT FILING DATE: 2004-12-30
; PRIOR APPLICATION NUMBER: 60/533,036
; PRIOR FILING DATE: 2003-12-30
; NUMBER OF SEQ ID NOS: 782
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 132
; LENGTH: 4048
; TYPE: DNA
; ORGANISM: Pinus radiata
US-11-024-959-132

Alignment Scores:
Pred. No.: 702 Length: 4048
Score: 47.00 Matches: 8
Percent Similarity: 78.6% Conservative: 3
Best Local Similarity: 57.1% Mismatches: 3
Query Match: 56.6% Indels: 0
DB: 12 Gaps: 0

US-10-030-937-72 (1-16) x US-11-024-959-132 (1-4048)

Qy 3 LeuProLysSerGluPheAlaValProAspLeuGluPro 16
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```

Db 2302 GTCCCGAGCAGTGAATTCCTGCCCCCTGACGATGAGATACCA 2261

RESULT 7
US-09-925-065A-445784/c
; Sequence 445784, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 445784
; LENGTH: 546
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-445784

Alignment Scores:
Pred. No.: 98.1 Length: 546
Score: 46.00 Matches: 9
Percent Similarity: 64.3% Conservative: 0
Best Local Similarity: 64.3% Mismatches: 5
Query Match: 55.4% Indels: 0
DB: 6 Gaps: 0

US-10-030-937-72 (1-16) x US-09-925-065A-445784 (1-546)

Qy 3 LeuProLysSerGluPheAlaValProAspLeuGluPro 16
Db 282 CTACCCCAACAAAGAAATTTGTTCTCTCTGAGCTCCCA 241

RESULT 8
US-09-925-065A-445785/c
; Sequence 445785, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 445785
; LENGTH: 546
; TYPE: DNA
; ORGANISM: Homo sapiens
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US-09-925-065A-445785

Alignment Scores: Length: 546
Pred. No.: 98.1
Score: 46.00
Percent Similarity: 64.3%
Best Local Similarity: 64.3%
Query Match: 55.4%
DB: 6

US-10-030-937-72 (1-16) x US-09-925-065A-445785 (1-546)

Qy 3 LeuProLysSerGluPheAlaValProAspLeuGluLeuPro 16
Db 282 CTACCCACAAAGAAATTTGTTCTCTCTGAGCTGCCA 241

RESULT 9

US-11-143-401-61/c
; Sequence 61, Application US/11143401
; Publication No. US2006002953A1
; GENERAL INFORMATION:
; APPLICANT: Behr, Marcel
; APPLICANT: Small, Peter
; APPLICANT: Schoolnik, Gary
; APPLICANT: Wilson, Michael A.
; TITLE OF INVENTION: Molecular Differences Between Species of
; FILE REFERENCE: STAN102CON
; CURRENT APPLICATION NUMBER: US/11/143,401
; CURRENT FILING DATE: 2005-06-01
; PRIOR APPLICATION NUMBER: US/10/647,089
; PRIOR FILING DATE: 2003-08-21
; PRIOR APPLICATION NUMBER: US/09/894,844
; PRIOR FILING DATE: 2001-06-27
; PRIOR APPLICATION NUMBER: 09/318,191
; PRIOR FILING DATE: 1999-05-25
; PRIOR APPLICATION NUMBER: 60/097,936
; PRIOR FILING DATE: 1998-08-25
; NUMBER OF SEQ ID NOS: 137
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 61
; LENGTH: 1062
; TYPE: DNA
; ORGANISM: Mycobacteria tuberculosis
US-11-143-401-61

Alignment Scores: Length: 1062
Pred. No.: 217
Score: 46.00
Percent Similarity: 78.6%
Best Local Similarity: 64.3%
Query Match: 55.4%
DB: 12

US-10-030-937-72 (1-16) x US-11-143-401-61 (1-1062)

Qy 3 LeuProLysSerGluPheAlaValProAspLeuGluLeuPro 16
Db 839 TTGCCGAAGCCGAGTTCGAAATGCCGCGAGTTGCCACTGCCA 798

RESULT 10

US-11-052-554A-540/c
; Sequence 540, Application US/11052554A
; Publication No. US20050288866A1
; GENERAL INFORMATION:
; APPLICANT: Sachdeva, et al.
; TITLE OF INVENTION: COMPUTATIONAL METHOD FOR IDENTIFYING ADHESIN AND ADHESIN-LIKE
; FILE REFERENCE: 30853/40359A
; CURRENT APPLICATION NUMBER: US/11/052,554A
; CURRENT FILING DATE: 2005-02-07
; PRIOR APPLICATION NUMBER: US 60/589,227
; PRIOR FILING DATE: 2004-07-20

; PRIOR APPLICATION NUMBER: IN 173/DEL/2004

; PRIOR FILING DATE: 2004-02-06
; NUMBER OF SEQ ID NOS: 763
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 540
; LENGTH: 1065
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis H37Rv
US-11-052-554A-540

Alignment Scores: Length: 1065
Pred. No.: 218
Score: 46.00
Percent Similarity: 78.6%
Best Local Similarity: 64.3%
Query Match: 55.4%
DB: 12

US-10-030-937-72 (1-16) x US-11-052-554A-540 (1-1065)

Qy 3 LeuProLysSerGluPheAlaValProAspLeuGluLeuPro 16
Db 839 TTGCCGAAGCCGAGTTCGAAATGCCGCGAGTTGCCACTGCCA 798

RESULT 11

US-09-925-065A-839566
; Sequence 839566, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 839566
; LENGTH: 420
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-839566

Alignment Scores: Length: 420
Pred. No.: 109
Score: 45.00
Percent Similarity: 75.0%
Best Local Similarity: 43.8%
Query Match: 54.2%
DB: 6

US-10-030-937-72 (1-16) x US-09-925-065A-839566 (1-420)

Qy 1 TyrSerLeuProLysSerGluPheAlaValProAspLeuGluLeuPro 16
Db 314 TACAACCTACCAAGATCGAAGCAAGAYAAATCCCAACCTGACATACCG 361

RESULT 12

US-09-925-065A-162282
; Sequence 162282, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.

| | | |
|------------|-------|--------|
| pred. No.: | 617 | Length |
| score: | 45.00 | Match |

| | | |
|------------------------|-------|---------------|
| Alignment Scores: | | |
| Pred. No.: | 168 | 601 |
| Score: | 45.00 | Matches: |
| Percent Similarity: | 75.0% | Conservative: |
| Best Local Similarity: | 43.8% | Mismatches: |
| Query Match: | 54.2% | Indels: |
| DB: | 6 | Gaps: |

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Percent Similarity: 73.3%      Conservative: 2
Best Local Similarity: 60.0%    Mismatches: 4
Query Match: 54.2%            Indels: 0
DB: 10                        Gaps: 0

US-10-030-937-72 (1-16) x US-11-112-944-12 (1-1793)

Qy 1 TyrSerLeuProIysSerGluPheAlaValProAspLeuGluLeu 15
   |||::|||  |||  |||::|||  |||  |||  |||  |||
Db 94 TAGCGCTCCCTCCCTCCCTTCTCTGTCTCCCGCGCTCTCGCTC 138

Search completed: February 16, 2006, 14:27:01
Job time : 238.951 secs

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GenCore version 5.1.7
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - nucleic search, using frame_plus_p2n model

Run on: February 16, 2006, 12:57:39 ; Search time 20.9067 Seconds
(without alignments)
1360.379 Million cell updates/sec

Title: US-10-030-937-72
Perfect score: 83
Sequence: 1 YSLPKSEFAVPDLELP 16

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| Ygapop 10.0 | | | 0.5 |
| Ygapop 6.0 | | | 7.0 |
| Delop 6.0 | | | 7.0 |

Searched: 1303057 seqs, 888780828 residues

Total number of hits satisfying chosen parameters: 2606114

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Command line parameters:

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-LOPEXT=0 -UNITS=bits -START=1 -END=1 -MATRIX=blosum62 -TRANS=human40.cdi
-LIST=45 -DOCALIGN=200 -THR_SCORE=pct -THR_MAX=100 -THR_MIN=0 -ALIGN=15
-MODE=LOCAL -OUTFMT=ptc -NORM=ext -HEAPSIZE=500 -MINLEN=0 -MAXLEN=2000000000
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-DEV TIMEOUT=120 -WARN TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5 -FGAPOPOP=6
-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7
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Database : Issued Patents NA:*

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2: /cgn2_6/ptodata/1/ina/5 COMB.seq:*
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5: /cgn2_6/ptodata/1/ina/6C COMB.seq:*
6: /cgn2_6/ptodata/1/ina/6D COMB.seq:*
7: /cgn2_6/ptodata/1/ina/6E COMB.seq:*
8: /cgn2_6/ptodata/1/ina/6F COMB.seq:*
9: /cgn2_6/ptodata/1/ina/6G COMB.seq:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description |
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| c 1 | 47 | 56.6 | 790 | 3 | US-09-533-559-4552 |
| 2 | 47 | 56.6 | 8220 | 2 | US-08-568-459A-11 |
| 3 | 47 | 56.6 | 8220 | 3 | US-08-487-826B-11 |
| 4 | 47 | 56.6 | 8220 | 3 | US-09-210-288-11 |
| 5 | 47 | 56.6 | 8220 | 3 | US-10-153-273-11 |
| 6 | 47 | 56.6 | 9280 | 3 | US-08-956-171E-131 |
| 7 | 47 | 56.6 | 9280 | 3 | US-08-781-986A-131 |
| 8 | 47 | 56.6 | 13124 | 2 | US-08-487-826B-13 |
| 9 | 47 | 56.6 | 450395 | 3 | US-09-949-016-15473 |

| | | | | | | |
|------|----|------|---------|---|----------------------|--------------------|
| c 10 | 46 | 55.4 | 1062 | 3 | US-09-894-844-61 | Sequence 61, Appl |
| 11 | 46 | 55.4 | 4403765 | 3 | US-09-103-840A-2 | Sequence 2, Appl |
| c 12 | 46 | 55.4 | 4403765 | 3 | US-09-103-840A-2 | Sequence 2, Appl |
| 13 | 46 | 55.4 | 4411529 | 3 | US-09-103-840A-1 | Sequence 1, Appl |
| c 14 | 46 | 55.4 | 4411529 | 3 | US-09-103-840A-1 | Sequence 1, Appl |
| 15 | 44 | 53.0 | 924 | 3 | US-09-543-681A-69 | Sequence 69, Appl |
| 16 | 44 | 53.0 | 17154 | 3 | US-09-949-016-16889 | Sequence 16889, A |
| 17 | 44 | 53.0 | 31407 | 3 | US-09-949-016-17359 | Sequence 17359, A |
| c 18 | 44 | 53.0 | 46343 | 3 | US-09-949-016-16824 | Sequence 16824, A |
| 19 | 44 | 53.0 | 64291 | 3 | US-09-949-016-16278 | Sequence 16278, A |
| 20 | 44 | 53.0 | 117410 | 3 | US-09-949-016-12262 | Sequence 12262, A |
| c 21 | 43 | 51.8 | 601 | 3 | US-09-949-016-20153 | Sequence 20153, A |
| c 22 | 43 | 51.8 | 601 | 3 | US-09-949-016-119374 | Sequence 119374, A |
| 23 | 43 | 51.8 | 1416 | 3 | US-08-911-853-3 | Sequence 3, Appl |
| 24 | 43 | 51.8 | 1416 | 3 | US-09-479-409-3 | Sequence 3, Appl |
| 25 | 43 | 51.8 | 1416 | 3 | US-09-479-453-3 | Sequence 3, Appl |
| 26 | 43 | 51.8 | 2439 | 3 | US-09-489-039A-7111 | Sequence 7111, Ap |
| 27 | 43 | 51.8 | 4377 | 3 | US-08-911-853-28 | Sequence 28, Appl |
| 28 | 43 | 51.8 | 4377 | 3 | US-09-479-409-28 | Sequence 28, Appl |
| 29 | 43 | 51.8 | 4377 | 3 | US-09-479-453-28 | Sequence 28, Appl |
| 30 | 43 | 51.8 | 6308 | 3 | US-09-949-016-12496 | Sequence 12496, A |
| 31 | 43 | 51.8 | 7144 | 3 | US-09-949-016-14332 | Sequence 14392, A |
| c 32 | 43 | 51.8 | 10086 | 3 | US-09-949-016-15056 | Sequence 15056, A |
| c 33 | 43 | 51.8 | 35064 | 3 | US-09-949-016-12778 | Sequence 12778, A |
| c 34 | 43 | 51.8 | 35065 | 3 | US-09-949-016-13196 | Sequence 13196, A |
| c 35 | 43 | 51.8 | 112132 | 3 | US-09-741-150-3 | Sequence 3, Appl |
| c 36 | 43 | 51.8 | 112132 | 3 | US-10-160-187-3 | Sequence 3, Appl |
| 37 | 43 | 51.8 | 1830121 | 3 | US-09-557-884-1 | Sequence 1, Appl |
| 38 | 43 | 51.8 | 1830121 | 3 | US-09-643-990A-1 | Sequence 1, Appl |
| 39 | 43 | 51.8 | 1830121 | 3 | US-10-158-865-1 | Sequence 1, Appl |
| 40 | 42 | 50.6 | 354 | 3 | US-09-513-999C-13536 | Sequence 13536, A |
| c 41 | 42 | 50.6 | 601 | 3 | US-09-949-016-87635 | Sequence 87635, A |
| c 42 | 42 | 50.6 | 601 | 3 | US-09-949-016-87636 | Sequence 87636, A |
| c 43 | 42 | 50.6 | 601 | 3 | US-09-949-016-87637 | Sequence 87637, A |
| c 44 | 42 | 50.6 | 601 | 3 | US-09-949-016-91953 | Sequence 91953, A |
| 45 | 42 | 50.6 | 601 | 3 | US-09-949-016-91954 | Sequence 91954, A |

ALIGNMENTS

RESULT 1
US-09-533-559-4552/c
; Sequence 4552, Application US/09533559
; Patent No. 6902887
; GENERAL INFORMATION:
; APPLICANT: Randy M. Berka
; APPLICANT: Michael W. Rey
; APPLICANT: Jeffrey R. Shuster
; APPLICANT: Sakari Kauppinen
; APPLICANT: Ib Groth Clausen
; APPLICANT: Peter Bjarke Olsen
; TITLE OF INVENTION: Methods For Monitoring Multiple Gene
; FILE REFERENCE: 5849.200-US
; CURRENT APPLICATION NUMBER: US/09/533,559
; CURRENT FILING DATE: 2000-03-22
; EARLIER APPLICATION NUMBER: 09/273,623
; EARLIER FILING DATE: 1999-03-22
; NUMBER OF SEQ ID NOS: 7860
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4552
; LENGTH: 790
; TYPE: DNA
; ORGANISM: Aspergillus oryzae
US-09-533-559-4552

Alignment Scores:
Pred. No.: 12.4
Score: 47.00
Percent Similarity: 91.7%
Best Local Similarity: 66.7%
Query Match: 56.6%
DB: 3
Length: 790
Matches: 8
Conservative: 3
Mismatches: 1
Indels: 0
Gaps: 0

US-10-030-937-72 (1-16) x US-09-533-559-4552 (1-790)

Qy 3 LeuProLysSerGluPheAlaValProAspLeuGlu 14
Db 56 GTTCCCAAAACGGAATTCCTGTGTCGCGATTGGAT 21

RESULT 2
US-08-568-459A-11
; Sequence 11, Application US/08568459A
; Patent No. 5849306
; GENERAL INFORMATION:
; APPLICANT: Sim, Kim L.
; APPLICANT: Chitnis, Chetan
; APPLICANT: Miller, Louis H.
; APPLICANT: Peterson, David S.
; APPLICANT: Su, Xin-zhaun
; APPLICANT: Wellem, Thomas E.
; TITLE OF INVENTION: BINDING DOMAINS FROM PLASMODIUM VIVAX
; TITLE OF INVENTION: AND PLASMODIUM FALCIPARUM ERYTHROCYTE BINDING PROTEINS
; NUMBER OF SEQUENCES: 37
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Knobbe Martens Olson & Bear
; STREET: 620 Newport Center Drive 16th Floor
; CITY: Newport Beach
; STATE: California
; COUNTRY: US
; ZIP: 92660
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; FILING DATE: 07-DEC-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Israel, Ned
; REGISTRATION NUMBER: 29,655
; REFERENCE/DOCKET NUMBER: NIH121.001CPI
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 235-8550
; TELEFAX: (619) 235-0176
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 8220 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ORIGINAL SOURCE:
; ORGANISM: Plasmodium falciparum
US-08-568-459A-11

Alignment Scores:
Pred. No.: 236 Length: 8220
Score: 47.00 Matches: 9
Percent Similarity: 78.6% Conservative: 2
Best Local Similarity: 64.3% Mismatches: 3
Query Match: 56.6% Indels: 0
DB: 2 Gaps: 0

US-10-030-937-72 (1-16) x US-08-568-459A-11 (1-8220)

Qy 3 LeuProLysSerGluPheAlaValProAspLeuGluLeuPro 16
Db 6341 CTTCCAAAAACGATGGAACCTGTCGCGATTAGAAAGCCG 6382

RESULT 3
US-08-487-826B-11
; Sequence 11, Application US/08487826B
; Patent No. 6392026
; GENERAL INFORMATION:
; APPLICANT: Sim, Kim L.
; APPLICANT: Chitnis, Chetan
; APPLICANT: Miller, Louis H.
; APPLICANT: Peterson, David S.
; APPLICANT: Su, Xin-zhaun
; APPLICANT: Wellem, Thomas E.
; TITLE OF INVENTION: BINDING DOMAINS FROM PLASMODIUM VIVAX
; TITLE OF INVENTION: AND PLASMODIUM FALCIPARUM ERYTHROCYTE BINDING PROTEINS
; NUMBER OF SEQUENCES: 45
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Knobbe Martens Olson & Bear
; STREET: 620 Newport Center Drive 16th Floor
; CITY: Newport Beach
; STATE: California
; COUNTRY: US
; ZIP: 92660
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; FILING DATE: 10-SEP-1993
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Israel, Ned
; REGISTRATION NUMBER: 29,655
; REFERENCE/DOCKET NUMBER: NIH121.001CPI
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 235-8550
; TELEFAX: (619) 235-0176
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 8220 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ORIGINAL SOURCE:
; ORGANISM: Plasmodium falciparum
US-08-487-826B-11

Alignment Scores:
Pred. No.: 236 Length: 8220
Score: 47.00 Matches: 9
Percent Similarity: 78.6% Conservative: 2
Best Local Similarity: 64.3% Mismatches: 3
Query Match: 56.6% Indels: 0
DB: 2 Gaps: 0

US-10-030-937-72 (1-16) x US-08-487-826B-11 (1-8220)

Qy 3 LeuProLysSerGluPheAlaValProAspLeuGluLeuPro 16
Db 6341 CTTCCAAAAACGATGGAACCTGTCGCGATTAGAAAGCCG 6382

RESULT 4
US-09-210-288-11
; Sequence 11, Application US/09210288
; Patent No. 6392026
; GENERAL INFORMATION:
; APPLICANT: Sim, Kim L.
; APPLICANT: Chitnis, Chetan
; APPLICANT: Miller, Louis H.
; APPLICANT: Peterson, David S.
; APPLICANT: Su, Xin-zhaun
; APPLICANT: Wellem, Thomas E.
; TITLE OF INVENTION: BINDING DOMAINS FROM PLASMODIUM VIVAX
; TITLE OF INVENTION: AND PLASMODIUM FALCIPARUM ERYTHROCYTE BINDING PROTEINS
; NUMBER OF SEQUENCES: 45
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Knobbe Martens Olson & Bear
; STREET: 620 Newport Center Drive 16th Floor
; CITY: Newport Beach
; STATE: California
; COUNTRY: US
; ZIP: 92660
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; FILING DATE: 10-SEP-1993
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Israel, Ned
; REGISTRATION NUMBER: 29,655
; REFERENCE/DOCKET NUMBER: NIH121.001CPI
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 235-8550
; TELEFAX: (619) 235-0176
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 8220 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ORIGINAL SOURCE:
; ORGANISM: Plasmodium falciparum
US-08-487-826B-11

Alignment Scores:
Pred. No.: 236 Length: 8220
Score: 47.00 Matches: 9
Percent Similarity: 78.6% Conservative: 2
Best Local Similarity: 64.3% Mismatches: 3
Query Match: 56.6% Indels: 0
DB: 2 Gaps: 0

US-10-030-937-72 (1-16) x US-08-487-826B-11 (1-8220)

Qy 3 LeuProLysSerGluPheAlaValProAspLeuGluLeuPro 16
Db 6341 CTTCCAAAAACGATGGAACCTGTCGCGATTAGAAAGCCG 6382

RESULT 5
US-08-487-826B-11
; Sequence 11, Application US/08487826B
; Patent No. 6392026
; GENERAL INFORMATION:
; APPLICANT: Sim, Kim L.
; APPLICANT: Chitnis, Chetan
; APPLICANT: Miller, Louis H.
; APPLICANT: Peterson, David S.
; APPLICANT: Su, Xin-zhaun
; APPLICANT: Wellem, Thomas E.
; TITLE OF INVENTION: BINDING DOMAINS FROM PLASMODIUM VIVAX
; TITLE OF INVENTION: AND PLASMODIUM FALCIPARUM ERYTHROCYTE BINDING PROTEINS
; NUMBER OF SEQUENCES: 45
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Knobbe Martens Olson & Bear
; STREET: 620 Newport Center Drive 16th Floor
; CITY: Newport Beach
; STATE: California
; COUNTRY: US
; ZIP: 92660
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; FILING DATE: 10-SEP-1993
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Israel, Ned
; REGISTRATION NUMBER: 29,655
; REFERENCE/DOCKET NUMBER: NIH121.001CPI
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 235-8550
; TELEFAX: (619) 235-0176
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 8220 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ORIGINAL SOURCE:
; ORGANISM: Plasmodium falciparum
US-08-487-826B-11

Alignment Scores:
Pred. No.: 236 Length: 8220
Score: 47.00 Matches: 9
Percent Similarity: 78.6% Conservative: 2
Best Local Similarity: 64.3% Mismatches: 3
Query Match: 56.6% Indels: 0
DB: 2 Gaps: 0

US-10-030-937-72 (1-16) x US-08-487-826B-11 (1-8220)

Qy 3 LeuProLysSerGluPheAlaValProAspLeuGluLeuPro 16
Db 6341 CTTCCAAAAACGATGGAACCTGTCGCGATTAGAAAGCCG 6382

RESULT 6
US-08-487-826B-11
; Sequence 11, Application US/08487826B
; Patent No. 6392026
; GENERAL INFORMATION:
; APPLICANT: Sim, Kim L.
; APPLICANT: Chitnis, Chetan
; APPLICANT: Miller, Louis H.
; APPLICANT: Peterson, David S.
; APPLICANT: Su, Xin-zhaun
; APPLICANT: Wellem, Thomas E.
; TITLE OF INVENTION: BINDING DOMAINS FROM PLASMODIUM VIVAX
; TITLE OF INVENTION: AND PLASMODIUM FALCIPARUM ERYTHROCYTE BINDING PROTEINS
; NUMBER OF SEQUENCES: 45
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Knobbe Martens Olson & Bear
; STREET: 620 Newport Center Drive 16th Floor
; CITY: Newport Beach
; STATE: California
; COUNTRY: US
; ZIP: 92660
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; FILING DATE: 10-SEP-1993
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Israel, Ned
; REGISTRATION NUMBER: 29,655
; REFERENCE/DOCKET NUMBER: NIH121.001CPI
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 235-8550
; TELEFAX: (619) 235-0176
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 8220 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ORIGINAL SOURCE:
; ORGANISM: Plasmodium falciparum
US-08-487-826B-11

Alignment Scores:
Pred. No.: 236 Length: 8220
Score: 47.00 Matches: 9
Percent Similarity: 78.6% Conservative: 2
Best Local Similarity: 64.3% Mismatches: 3
Query Match: 56.6% Indels: 0
DB: 2 Gaps: 0

US-10-030

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;
; NUMBER OF SEQUENCES: 37
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Knobbe Martens Olson & Bear
; STREET: 620 Newport Center Drive 16th Floor
; CITY: Newport Beach
; STATE: California
; COUNTRY: US
; ZIP: 92660
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/210,288
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Fuller, Michael
; REGISTRATION NUMBER: 36,516
; REFERENCE/DOCKET NUMBER: NIH121.1FWDV1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 235-8550
; TELEFAX: (619) 235-0176
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 8220 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ORGANISM: Plasmodium falciparum
; ORIGINAL SOURCE:
; US-09-210-288-11

Alignment Scores:
Pred. No.: 236 Length: 8220
Score: 47.00 Matches: 9
Percent Similarity: 78.6% Conservative: 2
Best Local Similarity: 64.3% Mismatches: 3
Query Match: 56.6% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-72 (1-16) x US-09-210-288-11 (1-8220)
Qy 3 LeuProlysserGluPheAlaValProAspLeuGluLeuPro 16
Db 6341 CTTCACAAAACGATGGAACTGTTCCGGATTAGAAAAGCCG 6382

RESULT 5
US-10-153-273-11
; Sequence 11, Application US/10153273
; Patent No. 6962987
; GENERAL INFORMATION:
; APPLICANT: Sim, Kim L.
; Chitnis, Chetan
; Miller, Louis H.
; Peterson, David S.
; Su, Xin-zhaun
; Wellens, Thomas E.
; TITLE OF INVENTION: BINDING DOMAINS FROM PLASMODIUM VIVAX
; AND PLASMODIUM FALCIPARUM ERYTHROCYTE BINDING PROTEINS
; NUMBER OF SEQUENCES: 37
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Knobbe Martens Olson & Bear
; STREET: 620 Newport Center Drive 16th Floor
; CITY: Newport Beach
; STATE: California
; COUNTRY: US
; ZIP: 92660
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
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; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/153,273
; FILING DATE: 21-May-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/210,288
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Fuller, Michael
; REGISTRATION NUMBER: 36,516
; REFERENCE/DOCKET NUMBER: NIH121.1FWDV1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 235-8550
; TELEFAX: (619) 235-0176
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 8220 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ORIGINAL SOURCE:
; ORGANISM: Plasmodium falciparum
; SEQUENCE DESCRIPTION: SEQ ID NO: 11:
US-10-153-273-11

Alignment Scores:
Pred. No.: 236 Length: 8220
Score: 47.00 Matches: 9
Percent Similarity: 78.6% Conservative: 2
Best Local Similarity: 64.3% Mismatches: 3
Query Match: 56.6% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-72 (1-16) x US-10-153-273-11 (1-8220)
Qy 3 LeuProlysserGluPheAlaValProAspLeuGluLeuPro 16
Db 6341 CTTCACAAAACGATGGAACTGTTCCGGATTAGAAAAGCCG 6382

RESULT 6
US-08-956-171E-131
; Sequence 131, Application US/08956171E
; Patent No. 6593114
; GENERAL INFORMATION:
; APPLICANT: Charles Kunsch
; Gil H. Choi
; Patrick S. Dillon
; Craig A. Rosen
; Steven C. Barash
; Michael R. Fannon
; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
; NUMBER OF SEQUENCES: 5256
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/956,171E
; FILING DATE: 20-Oct-1997
; CLASSIFICATION: <Unknown>
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; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/009,861
; FILING DATE: January 5, 1996
; APPLICATION NUMBER: 08/781,986
; FILING DATE: January 3, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Mark J. Hyman
; REGISTRATION NUMBER: 46,789
; REFERENCE/DOCKET NUMBER: PB248P1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (240) 314-1224
; TELEFAX: (301) 309-8439
; INFORMATION FOR SEQ ID NO: 131:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 9280 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 131:
US-08-956-171E-131

Alignment Scores:
Pred. No.: 274 Length: 9280
Score: 47.00 Matches: 8
Percent Similarity: 86.7% Conservative: 5
Best Local Similarity: 53.3% Mismatches: 2
Query Match: 56.6% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-72 (1-16) x US-08-956-171E-131 (1-9280)
QY 2 SerLeuProLysSerGluPheAlaValProAspLeuGluLeuPro 16
Db 6399 ACGCTTCGGAATCAAAGTTGCTTTACCAACCAATATTCATACCA 6443

RESULT 7
US-08-781-986A-131
; Sequence 131, Application US/08781986A
; Patent No. 6737248
; GENERAL INFORMATION:
; APPLICANT: Charles Kunsch
; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
; NUMBER OF SEQUENCES: 5255
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/781,986A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Benson, Bob
; REGISTRATION NUMBER: 30,446
; REFERENCE/DOCKET NUMBER: PB248PP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 309-8504
; TELEFAX: (301) 309-8512
; INFORMATION FOR SEQ ID NO: 131:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 9280 base pairs
; TYPE: nucleic acid

; STRANDEDNESS: double
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 131:
US-08-781-986A-131

Alignment Scores:
Pred. No.: 274 Length: 9280
Score: 47.00 Matches: 8
Percent Similarity: 86.7% Conservative: 5
Best Local Similarity: 53.3% Mismatches: 2
Query Match: 56.6% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-72 (1-16) x US-08-956-171E-131 (1-9280)
QY 2 SerLeuProLysSerGluPheAlaValProAspLeuGluLeuPro 16
Db 6399 ACGCTTCGGAATCAAAGTTGCTTTACCAACCAATATTCATACCA 6443

RESULT 8
US-08-487-826B-13
; Sequence 13, Application US/08487826B
; Patent No. 5993827
; GENERAL INFORMATION:
; APPLICANT: Sim, Kim L.
; APPLICANT: Chitnis, Chetan
; APPLICANT: Miller, Louis H.
; APPLICANT: Peterson, David S.
; APPLICANT: Su, Xin-zhaun
; APPLICANT: Wellems, Thomas E.
; TITLE OF INVENTION: BINDING DOMAINS FROM PLASMODIUM VIVAX
; TITLE OF INVENTION: AND PLASMODIUM FALCIPARUM ERYTHROCYTE BINDING PROTEINS
; NUMBER OF SEQUENCES: 45
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Knobbe Martens Olson & Bear
; STREET: 620 Newport Center Drive 16th Floor
; CITY: Newport Beach
; STATE: California
; COUNTRY: US
; ZIP: 92660
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/487,826B
; FILING DATE: 10-SEP-1993
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Israelson, Ned
; REGISTRATION NUMBER: 29,655
; REFERENCE/DOCKET NUMBER: NIH121.001CP1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 235-8550
; TELEFAX: (619) 235-0176
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 19124 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; US-08-487-826B-13

Alignment Scores:
Pred. No.: 681 Length: 19124
Score: 47.00 Matches: 9
Percent Similarity: 78.6% Conservative: 2
Best Local Similarity: 64.3% Mismatches: 3
Query Match: 56.6% Indels: 0
DB: 2 Gaps: 0
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US-10-030-937-72 (1-16) x US-08-487-826B-13 (1-19124)

Qy 3 LeuProLysSerGluPheAlaValProAspLeuGluLeuPro 16
Db 13661 CTTCCAAAACGATGGAACCTGTTCCCGATTAGAAAACCG 13702

RESULT 9
US-09-949-016-15473/c
; Sequence 15473, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CLO01307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15473
; LENGTH: 450395
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(450395)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-15473

Alignment Scores:
Pred. No.: 3.58e+04 Length: 450395
Score: 47.00 Matches: 8
Percent Similarity: 84.6% Conservative: 3
Best Local Similarity: 61.5% Mismatches: 2
Query Match: 56.6% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-72 (1-16) x US-09-949-016-15473 (1-450395)

Qy 1 TyrSerLeuProLysSerGluPheAlaValProAspLeu 13
Db 110299 TATAGCATGCCCAACTGAGTTCTGTGTTCCCTCCCTC 110261

RESULT 10
US-09-894-844-61/c
; Sequence 61, Application US/09894844
; Patent No. 6686166
; GENERAL INFORMATION:
; APPLICANT: Behr, Marcel
; APPLICANT: Small, Peter
; APPLICANT: Schoolnik, Gary
; APPLICANT: Wilson, Michael A.
; TITLE OF INVENTION: Molecular Differences Between Species of
; the M. Tuberculosis Complex
; FILE REFERENCE: STAN102CON
; CURRENT APPLICATION NUMBER: US/09/894,844
; CURRENT FILING DATE: 2001-06-27
; PRIOR APPLICATION NUMBER: 09/318,191
; PRIOR FILING DATE: 1999-05-25
; PRIOR APPLICATION NUMBER: 60/097,936
; PRIOR FILING DATE: 1998-08-25
; NUMBER OF SEQ ID NOS: 137
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 61
; LENGTH: 1062
; TYPE: DNA
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; ORGANISM: Mycobacteria tuberculosis
US-09-894-844-61

Alignment Scores:
Pred. No.: 27.9 Length: 1062
Score: 46.00 Matches: 9
Percent Similarity: 78.6% Conservative: 2
Best Local Similarity: 64.3% Mismatches: 3
Query Match: 55.4% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-72 (1-16) x US-09-894-844-61 (1-1062)

Qy 3 LeuProLysSerGluPheAlaValProAspLeuGluLeuPro 16
Db 839 TTGCCGAAGCCCGAGTTCTGAATGCCGAGTTGCCACTGCCA 798

RESULT 11
US-09-103-840A-2
; Sequence 2, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; TITLE OF INVENTION: TUBERCULOSIS
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 4403765
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; FEATURE:
; OTHER INFORMATION: CDC 1551
; OTHER INFORMATION: "n" bases at various positions throughout the sequence
; OTHER INFORMATION: represent a, t, c or g
US-09-103-840A-2

Alignment Scores:
Pred. No.: 8.18e+05 Length: 4403765
Score: 46.00 Matches: 9
Percent Similarity: 78.6% Conservative: 2
Best Local Similarity: 64.3% Mismatches: 3
Query Match: 55.4% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-72 (1-16) x US-09-103-840A-2 (1-4403765)

Qy 3 LeuProLysSerGluPheAlaValProAspLeuGluLeuPro 16
Db 2632604 TTGCCGAAGCCCGAGTTCTGAATGCCGAGTTGCCACTGCCA 2632645

RESULT 12
US-09-103-840A-2/c
; Sequence 2, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; TITLE OF INVENTION: TUBERCULOSIS
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
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GenCore version 5.1.7
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OM protein - protein search, using sw model

Run on: February 15, 2006, 09:52:05 ; Search time 20.0533 Seconds
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Title: US-10-030-937-72
Perfect score: 16
Sequence: 1 YSLPKSEFAVPDLELP 16

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Minimum DB seq length: 0

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Post-processing: Listing first 150 summaries

Database : Published Applications AA Main:*

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- 2: /cgm2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*
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- 4: /cgm2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep:*
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- 6: /cgm2_6/ptodata/1/pubpaa/US11_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description |
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| 1 | 8 | 50.0 | 193 | 4 | US-10-170-385-389 |
| 2 | 8 | 50.0 | 193 | 5 | US-10-723-860-529 |
| 3 | 8 | 50.0 | 193 | 5 | US-10-450-763-31079 |
| 4 | 7 | 43.8 | 54 | 4 | US-10-425-115-220040 |
| 5 | 6 | 37.5 | 39 | 3 | US-09-833-245-1222 |
| 6 | 6 | 37.5 | 39 | 3 | US-09-833-245-1224 |
| 7 | 6 | 37.5 | 51 | 4 | US-10-437-963-105909 |
| 8 | 6 | 37.5 | 71 | 4 | US-10-425-115-252984 |
| 9 | 6 | 37.5 | 86 | 4 | US-10-437-963-188997 |
| 10 | 6 | 37.5 | 92 | 4 | US-10-424-599-247004 |
| 11 | 6 | 37.5 | 95 | 3 | US-09-925-299-1494 |
| 12 | 6 | 37.5 | 95 | 3 | US-09-925-299-1494 |
| 13 | 6 | 37.5 | 101 | 4 | US-10-282-122A-46052 |
| 14 | 6 | 37.5 | 116 | 4 | US-10-424-599-188964 |
| 15 | 6 | 37.5 | 117 | 4 | US-10-425-115-358214 |
| 16 | 6 | 37.5 | 120 | 4 | US-10-424-599-284187 |
| 17 | 6 | 37.5 | 127 | 4 | US-10-437-963-190106 |
| 18 | 6 | 37.5 | 129 | 4 | US-10-437-963-133889 |
| 19 | 6 | 37.5 | 131 | 4 | US-10-425-114-57104 |
| 20 | 6 | 37.5 | 151 | 3 | US-09-738-626-4847 |
| 21 | 6 | 37.5 | 157 | 4 | US-10-425-115-269204 |
| 22 | 6 | 37.5 | 158 | 5 | US-10-732-923-21187 |
| 23 | 6 | 37.5 | 165 | 4 | US-10-425-114-64412 |
| 24 | 6 | 37.5 | 176 | 4 | US-10-168-066-6 |
| 25 | 6 | 37.5 | 176 | 4 | US-10-408-763-1852 |
| 26 | 6 | 37.5 | 202 | 4 | US-10-767-701-54502 |
| 27 | 6 | 37.5 | 214 | 3 | US-09-999-602-1 |

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| Sequence 69056, A | 28 | 6 | 37.5 | 214 | 4 | US-10-282-122A-69056 |
| Sequence 217, App | 29 | 6 | 37.5 | 216 | 4 | US-10-301-822-217 |
| Sequence 50218, A | 30 | 6 | 37.5 | 216 | 4 | US-10-425-114-50218 |
| Sequence 111, App | 31 | 6 | 37.5 | 216 | 4 | US-10-734-564-111 |
| Sequence 5690, Ap | 32 | 6 | 37.5 | 216 | 5 | US-10-756-149-5690 |
| Sequence 21147, A | 33 | 6 | 37.5 | 220 | 5 | US-10-732-923-21147 |
| Sequence 21391, A | 34 | 6 | 37.5 | 220 | 5 | US-10-732-923-21391 |
| Sequence 255964, A | 35 | 6 | 37.5 | 227 | 4 | US-10-425-115-255964 |
| Sequence 69119, A | 36 | 6 | 37.5 | 249 | 4 | US-10-425-114-69119 |
| Sequence 220, App | 37 | 6 | 37.5 | 251 | 4 | US-10-301-822-220 |
| GENERAL INFORMA | 38 | 6 | 37.5 | 255 | 4 | US-10-457-372-11 |
| Sequence 6128, Ap | 39 | 6 | 37.5 | 257 | 4 | US-10-106-698-6128 |
| GENERAL INFORMA | 40 | 6 | 37.5 | 257 | 4 | US-10-457-372-13 |
| Sequence 215, App | 41 | 6 | 37.5 | 267 | 4 | US-10-301-822-215 |
| Sequence 3189, A | 42 | 6 | 37.5 | 278 | 6 | US-11-097-143-33189 |
| Sequence 4311, Ap | 43 | 6 | 37.5 | 284 | 5 | US-10-617-320-4311 |
| Sequence 7694, A | 44 | 6 | 37.5 | 295 | 4 | US-10-425-114-37694 |
| Sequence 50380, A | 45 | 6 | 37.5 | 319 | 4 | US-10-282-122A-50380 |
| Sequence 6, Appli | 46 | 6 | 37.5 | 329 | 5 | US-10-670-454-6 |
| Sequence 10, Appl | 47 | 6 | 37.5 | 330 | 4 | US-10-155-435-10 |
| Sequence 162387, A | 48 | 6 | 37.5 | 346 | 6 | US-11-097-143-42387 |
| Sequence 162707, A | 49 | 6 | 37.5 | 347 | 4 | US-10-424-599-162707 |
| Sequence 68412, A | 50 | 6 | 37.5 | 359 | 4 | US-10-425-114-68412 |
| Sequence 37225, A | 51 | 6 | 37.5 | 367 | 4 | US-10-425-115-37225 |
| Sequence 276049, A | 52 | 6 | 37.5 | 396 | 4 | US-10-425-115-276049 |
| Sequence 27563, A | 53 | 6 | 37.5 | 413 | 4 | US-10-425-115-287563 |
| Sequence 1522, Ap | 54 | 6 | 37.5 | 421 | 4 | US-10-374-780A-1522 |
| Sequence 1593, Ap | 55 | 6 | 37.5 | 421 | 4 | US-10-412-699B-1593 |
| Sequence 7911, Ap | 56 | 6 | 37.5 | 449 | 5 | US-10-739-930-7911 |
| Sequence 9431, Ap | 57 | 6 | 37.5 | 453 | 4 | US-10-156-761-9431 |
| Sequence 10341, A | 58 | 6 | 37.5 | 466 | 4 | US-10-156-761-10341 |
| Sequence 70351, A | 59 | 6 | 37.5 | 490 | 4 | US-10-282-122A-70351 |
| Sequence 197508, A | 60 | 6 | 37.5 | 503 | 4 | US-10-437-963-197508 |
| Sequence 48553, A | 61 | 6 | 37.5 | 509 | 4 | US-10-282-122A-48553 |
| Sequence 4, Appli | 62 | 6 | 37.5 | 524 | 5 | US-10-492-783-4 |
| Sequence 72951, A | 63 | 6 | 37.5 | 535 | 4 | US-10-282-122A-72951 |
| Sequence 75100, A | 64 | 6 | 37.5 | 543 | 4 | US-10-282-122A-75100 |
| Sequence 13874, A | 65 | 6 | 37.5 | 608 | 4 | US-10-156-761-13874 |
| Sequence 8622, Ap | 66 | 6 | 37.5 | 611 | 6 | US-11-097-143-8622 |
| Sequence 155480, A | 67 | 6 | 37.5 | 643 | 4 | US-10-437-963-155480 |
| Sequence 337231, A | 68 | 6 | 37.5 | 657 | 4 | US-10-425-115-337231 |
| Sequence 7696, Ap | 69 | 6 | 37.5 | 727 | 4 | US-10-156-761-7696 |
| Sequence 59903, A | 70 | 6 | 37.5 | 739 | 4 | US-10-425-114-59903 |
| Sequence 4, Appli | 71 | 6 | 37.5 | 748 | 5 | US-10-784-986-4 |
| Sequence 564, App | 72 | 6 | 37.5 | 779 | 4 | US-10-072-012-564 |
| Sequence 147335, A | 73 | 6 | 37.5 | 782 | 4 | US-10-437-963-147335 |
| Sequence 55449, A | 74 | 6 | 37.5 | 861 | 5 | US-10-450-763-55449 |
| Sequence 60302, A | 75 | 6 | 37.5 | 861 | 5 | US-10-450-763-60302 |
| Sequence 141086, A | 76 | 6 | 37.5 | 862 | 4 | US-10-437-963-141086 |
| Sequence 3347, Ap | 77 | 6 | 37.5 | 930 | 4 | US-10-369-493-3347 |
| Sequence 8659, Ap | 78 | 6 | 37.5 | 1111 | 5 | US-10-732-923-8659 |
| Sequence 72153, A | 79 | 6 | 37.5 | 1212 | 4 | US-10-282-122A-72153 |
| Sequence 179481, A | 80 | 6 | 37.5 | 1219 | 4 | US-10-437-963-179481 |
| Sequence 125789, A | 81 | 6 | 37.5 | 1352 | 4 | US-10-437-963-125789 |
| Sequence 263, App | 82 | 6 | 37.5 | 1379 | 6 | US-11-097-143-261 |
| Sequence 169968, A | 83 | 6 | 37.5 | 1415 | 4 | US-10-437-963-169968 |
| Sequence 15168, A | 84 | 6 | 37.5 | 1415 | 4 | US-11-097-143-15168 |
| Sequence 18391, A | 85 | 6 | 37.5 | 1690 | 5 | US-10-732-923-18391 |
| Sequence 14691, A | 86 | 6 | 37.5 | 1953 | 6 | US-11-097-143-14691 |
| Sequence 2217, Ap | 87 | 6 | 37.5 | 1966 | 4 | US-10-408-765A-2217 |
| Sequence 115576, A | 88 | 6 | 37.5 | 2070 | 4 | US-10-437-963-115576 |
| Sequence 15276, A | 89 | 6 | 37.5 | 2129 | 3 | US-11-097-143-15276 |
| Sequence 10, Appl | 90 | 6 | 37.5 | 2310 | 3 | US-09-995-542-10 |
| Sequence 236, App | 91 | 6 | 37.5 | 2440 | 4 | US-10-341-434-236 |
| Sequence 35, Appl | 92 | 6 | 37.5 | 2440 | 5 | US-10-885-977-35 |
| Sequence 222, App | 93 | 6 | 37.5 | 2440 | 5 | US-10-745-237-222 |
| Sequence 42, Appli | 94 | 6 | 37.5 | 3418 | 4 | US-10-392-113-42 |
| Sequence 1, Appli | 95 | 6 | 37.5 | 3418 | 4 | US-10-634-574-1 |
| Sequence 178, App | 96 | 6 | 37.5 | 3418 | 4 | US-10-408-765A-178 |
| Sequence 53776, A | 97 | 6 | 37.5 | 3423 | 5 | US-10-450-763-53776 |
| Sequence 156, App | 98 | 5 | 31.2 | 9 | 3 | US-10-930-300-156 |
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101 5 31.2 17 3 US-09-864-761-42754 Sequence 42754, A
102 5 31.2 17 4 US-10-211-088-97 Sequence 97, Appl
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104 5 31.2 20 3 US-09-802-124-10 Sequence 10, Appl
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109 5 31.2 20 4 US-10-010-928-11 Sequence 11, Appl
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111 5 31.2 20 5 US-10-690-276-446 Sequence 446, App
112 5 31.2 21 3 US-09-802-124-12 Sequence 12, Appl
113 5 31.2 21 3 US-09-733-605-12 Sequence 12, Appl
114 5 31.2 21 3 US-09-880-149-40 Sequence 40, Appl
115 5 31.2 21 3 US-09-880-132-40 Sequence 40, Appl
116 5 31.2 21 4 US-10-010-928-12 Sequence 12, Appl
117 5 31.2 21 4 US-10-345-281-40 Sequence 40, Appl
118 5 31.2 26 3 US-09-864-761-37037 Sequence 37037, A
119 5 31.2 27 4 US-10-450-230-14 Sequence 14, Appl
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123 5 31.2 28 4 US-10-106-698-5764 Sequence 5764, Ap
124 5 31.2 34 4 US-10-425-115-205712 Sequence 205712,
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127 5 31.2 37 4 US-10-091-504-803 Sequence 803, App
128 5 31.2 37 4 US-10-227-577-803 Sequence 803, App
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130 5 31.2 45 4 US-10-437-963-120532 Sequence 120532,
131 5 31.2 45 4 US-10-425-115-208356 Sequence 208356,
132 5 31.2 46 4 US-10-424-599-278375 Sequence 278375,
133 5 31.2 46 4 US-10-425-115-339649 Sequence 339649,
134 5 31.2 47 4 US-10-786-720-51 Sequence 51, Appl
135 5 31.2 48 3 US-09-933-767-574 Sequence 574, App
136 5 31.2 48 4 US-10-004-860-574 Sequence 574, App
137 5 31.2 48 4 US-10-023-282-574 Sequence 574, App
138 5 31.2 50 5 US-10-690-276-417 Sequence 417, App
139 5 31.2 50 5 US-10-690-276-452 Sequence 452, App
140 5 31.2 52 4 US-10-424-599-149519 Sequence 149519,
141 5 31.2 52 5 US-10-450-763-52431 Sequence 52431, A
142 5 31.2 53 4 US-10-347-542-31 Sequence 31, Appl
143 5 31.2 54 4 US-10-424-599-232726 Sequence 232726,
144 5 31.2 54 5 US-10-856-499-2293 Sequence 2293, Ap
145 5 31.2 55 4 US-10-424-599-271876 Sequence 271876,
146 5 31.2 55 4 US-10-437-963-189727 Sequence 189727,
147 5 31.2 55 5 US-10-856-499-2124 Sequence 2124, Ap
148 5 31.2 57 4 US-10-424-599-233342 Sequence 233342,
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150 5 31.2 58 4 US-10-424-599-169721 Sequence 169721,
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ALIGNMENTS

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RESULT 1
US-10-170-385-389
; Sequence 389, Application US/10170385
; Publication No. US20030203372A1
; GENERAL INFORMATION:
; APPLICANT: Ward, Neil Raymond
; APPLICANT: Mundy, Christopher Robert
; APPLICANT: Kan, On
; APPLICANT: Harris, Robert Alan
; APPLICANT: White, Jonathan
; APPLICANT: Binley, Katie Mary
; APPLICANT: Rayner, William Nigel
; APPLICANT: Naylor, Stuart
; APPLICANT: Kingsman, Susan Mary
; APPLICANT: Krige, David
; TITLE OF INVENTION: ANALYSIS METHOD
; FILE REFERENCE: 532682000100
; CURRENT APPLICATION NUMBER: US/10/170,385
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; CURRENT FILING DATE: 2002-06-12
; PRIOR APPLICATION NUMBER: PCT/GB02/01662
; PRIOR FILING DATE: 2002-04-08
; PRIOR APPLICATION NUMBER: PCT/GB01/05458
; PRIOR FILING DATE: 2001-12-10
; NUMBER OF SEQ ID NOS: 549
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 389
; LENGTH: 193
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-10-170-385-389
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Best Local Similarity 100.0%; Pred. No. 1.5;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 YSLPKSEF 8
DB 145 YSLPKSEF 152
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RESULT 2

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US-10-723-860-529
; Sequence 529, Application US/10723860
; Publication No. US20040253606A1
; GENERAL INFORMATION:
; APPLICANT: Aziz, Natasha
; APPLICANT: Ginsburg, Wendy M.
; APPLICANT: Zlotnik, Albert
; TITLE OF INVENTION: Methods of Diagnosis of Soft Tissue Sarcoma, Compositions &
; FILE REFERENCE: 05882.0193.NPUS01
; CURRENT APPLICATION NUMBER: US/10/723,860
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: 60/429,739
; PRIOR FILING DATE: 2002-11-26
; NUMBER OF SEQ ID NOS: 8393
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 529
; LENGTH: 193
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-723-860-529
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RESULT 3

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US-10-450-763-31079
; Sequence 31079, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 31079
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; LENGTH: 193
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; ORGANISM: Homo sapiens
US-10-450-763-31079

Query Match 50.0%; Score 8; DB 5; Length 193;
Best Local Similarity 100.0%; Pred. No. 1.5;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YSLPKSEF 8
Db 145 YSLPKSEF 152
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RESULT 4

US-10-425-115-220040
; Sequence 220040, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; PRIOR FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 220040
; LENGTH: 54
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(54)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_132263C.1.pep
US-10-425-115-220040

Query Match 43.8%; Score 7; DB 4; Length 54;
Best Local Similarity 100.0%; Pred. No. 5.4;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 AVPDLEL 15
Db 10 AVPDLEL 16
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US-09-833-245-1222
; Sequence 1222, Application US/09833245
; Publication No. US20040010134A1
; GENERAL INFORMATION:
; APPLICANT: Human Genome Sciences, Inc.
; TITLE OF INVENTION: Albumin Fusion Proteins
; FILE REFERENCE: PF546PCT
; CURRENT APPLICATION NUMBER: US/09/833,245
; CURRENT FILING DATE: 2001-04-12
; PRIOR APPLICATION NUMBER: 60/229, 358
; PRIOR FILING DATE: 2000-04-12
; PRIOR APPLICATION NUMBER: 60/256, 931
; PRIOR FILING DATE: 2000-12-21
; PRIOR APPLICATION NUMBER: 60/199, 384
; PRIOR FILING DATE: 2000-04-25
; NUMBER OF SEQ ID NOS: 2267
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1222
; LENGTH: 39
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-833-245-1222

Query Match 37.5%; Score 6; DB 3; Length 39;
Best Local Similarity 100.0%; Pred. No. 45;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 VPDLEL 15
Db 4 VPDLEL 9
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RESULT 6

US-09-833-245-1224
; Sequence 1224, Application US/09833245
; Publication No. US20040010134A1
; GENERAL INFORMATION:
; APPLICANT: Human Genome Sciences, Inc.
; TITLE OF INVENTION: Albumin Fusion Proteins
; FILE REFERENCE: PF546PCT
; CURRENT APPLICATION NUMBER: US/09/833,245
; CURRENT FILING DATE: 2001-04-12
; PRIOR APPLICATION NUMBER: 60/229, 358
; PRIOR FILING DATE: 2000-04-12
; PRIOR APPLICATION NUMBER: 60/256, 931
; PRIOR FILING DATE: 2000-12-21
; PRIOR APPLICATION NUMBER: 60/199, 384
; PRIOR FILING DATE: 2000-04-25
; NUMBER OF SEQ ID NOS: 2267
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1224
; LENGTH: 39
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-833-245-1224

Query Match 37.5%; Score 6; DB 3; Length 39;
Best Local Similarity 100.0%; Pred. No. 45;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 VPDLEL 15
Db 4 VPDLEL 9
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RESULT 7

US-10-437-963-105909
; Sequence 105909, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 105909
; LENGTH: 51
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_10402C.1.pep
US-10-437-963-105909

Query Match 37.5%; Score 6; DB 4; Length 51;
Best Local Similarity 100.0%; Pred. No. 57;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSLPKS 6
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Db 10 YSLPKS 15

RESULT 8
US-10-425-115-252984
; Sequence 252984, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 252984
; LENGTH: 71
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; OTHER INFORMATION: Clone ID: MRT4577_162304C.1.pep
US-10-425-115-252984

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Best Local Similarity 100.0%; Pred. No. 77;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 VPDLLEL 15
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Db 14 VPDLLEL 19

RESULT 9
US-10-437-963-188997
; Sequence 188997, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 188997
; LENGTH: 86
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; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_85548C.1.pep
US-10-437-963-188997

Query Match 37.5%; Score 6; DB 4; Length 86;
Best Local Similarity 100.0%; Pred. No. 91;
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QY 8 FAVPDL 13
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Db 45 FAVPDL 50

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US-10-424-599-247004
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; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 247004
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; TYPE: PRT
; ORGANISM: Glycine max
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; OTHER INFORMATION: Clone ID: PAT_MRT3847_65074C.1.pep
US-10-424-599-247004

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Db 43 PDLELP 48

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; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA102
; CURRENT APPLICATION NUMBER: US/09/925,299
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05983
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 1556
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; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
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; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (95)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-925-299-1494

Query Match 37.5%; Score 6; DB 3; Length 95;
Best Local Similarity 100.0%; Pred. No. 99;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 PDLELP 16

Db 54 PDLELP 59
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US-09-925-299-1494
; Sequence 1494, Application US/09925299
; Publication No. US20030040617A9
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA102
; CURRENT APPLICATION NUMBER: US/09/925,299
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05883
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 1556
; SOFTWARE: PatentIn Ver. 2.0
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; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
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; LOCATION: (94)
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; NAME/KEY: SITE
; LOCATION: (95)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-925-299-1494
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Best Local Similarity 100.0%; Pred. No. 99;
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Db 54 PDLELP 59
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RESULT 13
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; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23

; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 46052
; LENGTH: 101
; TYPE: PRT
; ORGANISM: Bacillus anthracis
US-10-282-122A-46052
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Best Local Similarity 100.0%; Pred. No. 1.1e+02;
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Db 13 SLPKSE 18
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; Sequence 188964, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 188964
; LENGTH: 116
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_141649C.1.pep
US-10-424-599-188964
Query Match 37.5%; Score 6; DB 4; Length 116;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 5 KSEFAV 10
Db 86 KSEFAV 91
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RESULT 15
US-10-425-115-358214
; Sequence 358214, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.

; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 358214
; LENGTH: 117
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(117)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_89859C.1.pep
US-10-425-115-358214

Query Match 37.5%; Score 6; DB 4; Length 117;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 PDLELP 16
Db 18 PDLELP 23

RESULT 16
US-10-424-599-284187
; Sequence 284187, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 284187
; LENGTH: 120
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_98646C.1.pep
US-10-424-599-284187

Query Match 37.5%; Score 6; DB 4; Length 120;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 PDLELP 16
Db 107 PDLELP 112

RESULT 17
US-10-437-963-190106
; Sequence 190106, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad

; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 190106
; LENGTH: 127
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_86551C.1.pep
US-10-437-963-190106

Query Match 37.5%; Score 6; DB 4; Length 127;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 FAVPDL 13
Db 110 FAVPDL 115

RESULT 18
US-10-437-963-133889
; Sequence 133889, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 133889
; LENGTH: 129
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(129)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_35716C.1.pep
US-10-437-963-133889

Query Match 37.5%; Score 6; DB 4; Length 129;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 VPDLEL 15
Db 10 VPDLEL 15

RESULT 19
US-10-425-114-57104
; Sequence 57104, Application US/10425114
; Publication No. US2004003488A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E

; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 57104
; LENGTH: 131
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: uc-gmflminsoy044a10_FLI.pep
US-10-425-114-57104

Query Match 37.5%; Score 6; DB 4; Length 131;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 VPDLEL 15
| | | | |
Db 91 VPDLEL 96

RESULT 20
US-09-738-626-4847
; Sequence 4847, Application US/09738626
; Publication No. US20020197605A1
; GENERAL INFORMATION:
; APPLICANT: NAKAGAWA, SATOSHI
; APPLICANT: MIZOGUCHI, HIROSHI
; APPLICANT: ANDO, SEIKO
; APPLICANT: HAYASHI, MIKIRO
; APPLICANT: OKHAI, KEIKO
; APPLICANT: YOKOI, HARUHIKO
; APPLICANT: TATEISHI, NAOKO
; APPLICANT: SENOH, AKIHIRO
; APPLICANT: IKEDA, MASATO
; APPLICANT: OZAKI, AKIO
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
; FILE REFERENCE: 249-125
; CURRENT APPLICATION NUMBER: US/09/738,626
; CURRENT FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: JP 99/377484
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: JP 00/159162
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: JP 00/280988
; PRIOR FILING DATE: 2000-08-03
; NUMBER OF SEQ ID NOS: 7059
; SOFTWARE: PatentIn ver. 3.0
; SEQ ID NO 4847
; LENGTH: 151
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-09-738-626-4847

Query Match 37.5%; Score 6; DB 3; Length 151;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 AVPDLE 14
| | | | |
Db 23 AVPDLE 28

RESULT 21
US-10-425-115-269204
; Sequence 269204, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.

; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 269204
; LENGTH: 157
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_177111C.1.pep
US-10-425-115-269204

Query Match 37.5%; Score 6; DB 4; Length 157;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 11 PDLELP 16
| | | | |
Db 39 PDLELP 44

RESULT 22
US-10-732-923-21187
; Sequence 21187, Application US/10732923
; Publication No. US20050108791A1
; GENERAL INFORMATION:
; APPLICANT: Edgerton, Michael D
; TITLE OF INVENTION: TRANSGENIC PLANTS WITH IMPROVED PHENOTYPES
; FILE REFERENCE: 38-15(52796)C
; CURRENT APPLICATION NUMBER: US/10/732,923
; CURRENT FILING DATE: 2003-12-10
; PRIOR APPLICATION NUMBER: 10/310,154
; PRIOR FILING DATE: 2002-12-04
; NUMBER OF SEQ ID NOS: 24149
; SEQ ID NO 21187
; LENGTH: 158
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(158)
; OTHER INFORMATION: unsure at all Xaa locations
US-10-732-923-21187

Query Match 37.5%; Score 6; DB 5; Length 158;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 11 PDLELP 16
| | | | |
Db 40 PDLELP 45

RESULT 23
US-10-425-114-64412
; Sequence 64412, Application US/10425114
; Publication No. US2004003488A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114

```
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 64412
; LENGTH: 165
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB3732-060-D3_FLI.pep
US-10-425-114-64412

Query Match          37.5%; Score 6; DB 4; Length 165;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 VPDLLE 15
        |||||
Db       106 VPDLLE 111

RESULT 24
US-10-168-066-6
; Sequence 6, Application US/10168066
; Publication No. US20030087268A1
; GENERAL INFORMATION:
; APPLICANT: INCYTE GENOMICS, INC.
; APPLICANT: YUE, Henry
; APPLICANT: BANDMAN, Olga
; APPLICANT: TANG, Y. Tom
; APPLICANT: HILLMAN, Jennifer L.
; APPLICANT: LU, Dyung Aina M.
; APPLICANT: BAUGHN, Mariah R.
; TITLE OF INVENTION: HUMAN LYASES AND ASSOCIATED PROTEINS
; FILE REFERENCE: PF 0759 PCT
; CURRENT APPLICATION NUMBER: US/10/168,066
; CURRENT FILING DATE: 2000-12-13
; PRIOR APPLICATION NUMBER: 60/172,307
; PRIOR FILING DATE: 1999-12-16
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PERL Program
; SEQ ID NO 6
; LENGTH: 176
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20030087268A1 2683534
US-10-168-066-6

Query Match          37.5%; Score 6; DB 4; Length 176;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      9 AVPDLE 14
        |||||
Db       54 AVPDLE 59

RESULT 25
US-10-408-765A-1852
; Sequence 1852, Application US/10408765A
; Publication No. US20040101874A1
; GENERAL INFORMATION:
; APPLICANT: Ghosh, Soumitra S.
; APPLICANT: Fahy, Eoin D.
; APPLICANT: Zhang, Bing
; APPLICANT: Gibson, Bradford W.
; APPLICANT: Taylor, Steven W.
; APPLICANT: Glenn, Gary M.
; APPLICANT: Warnock, Dale E.
; TITLE OF INVENTION: TARGETS FOR THERAPEUTIC INTERVENTION
; FILE REFERENCE: 660088.465
; CURRENT APPLICATION NUMBER: US/10/408.765A
```

```
; CURRENT FILING DATE: 2003-04-04
; NUMBER OF SEQ ID NOS: 3077
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1852
; LENGTH: 176
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-408-765A-1852

Query Match          37.5%; Score 6; DB 4; Length 176;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      9 AVPDLE 14
        |||||
Db       54 AVPDLE 59

RESULT 26
US-10-767-701-54502
; Sequence 54502, Application US/10767701
; Publication No. US20040172684A1
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof For Plant Improvement
; FILE REFERENCE: 38-21(53535)B
; CURRENT APPLICATION NUMBER: US/10/767,701
; CURRENT FILING DATE: 2004-01-29
; NUMBER OF SEQ ID NOS: 63128
; SEQ ID NO 54502
; LENGTH: 202
; TYPE: PRT
; ORGANISM: Sorghum bicolor
; FEATURE:
; OTHER INFORMATION: Clone ID: 14569822.pep
US-10-767-701-54502

Query Match          37.5%; Score 6; DB 4; Length 202;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      2 SLPKSE 7
        |||||
Db       159 SLPKSE 164

RESULT 27
US-09-999-602-1
; Sequence 1, Application US/09999602
; Patent No. US20020091084A1
; GENERAL INFORMATION:
; APPLICANT: Lal, Preeti G.
; APPLICANT: Corley, Neil C.
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: HUMAN CALCIUM BINDING PROTEIN
; FILE REFERENCE: PF-0468-2 CON
; CURRENT APPLICATION NUMBER: US/09/999,602
; CURRENT FILING DATE: 2001-10-25
; PRIOR APPLICATION NUMBER: 09/010,378
; PRIOR FILING DATE: 1998-01-21
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PERL Program
; SEQ ID NO 1
; LENGTH: 214
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20020091084A1 134682
US-09-999-602-1
```

Query Match 37.5%; Score 6; DB 3; Length 214;
 Best Local Similarity 100.0%; Pred. No. 2.1e+02;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 VPDLLEL 15
 Db 50 VPDLLEL 55

RESULT 28

US-10-282-122A-69056
 ; Sequence 69056, Application US/10282122A
 ; Publication No. US20040029129A1

GENERAL INFORMATION:

; APPLICANT: Wang, Liangsu
 ; APPLICANT: Zamudio, Carlos
 ; APPLICANT: Malone, Cheryl
 ; APPLICANT: Haselbeck, Robert
 ; APPLICANT: Ohlsen, Kari
 ; APPLICANT: Zyskind, Judith
 ; APPLICANT: Wall, Daniel
 ; APPLICANT: Trawick, John
 ; APPLICANT: Carr, Grant
 ; APPLICANT: Yamamoto, Robert
 ; APPLICANT: Foreyth, R.
 ; APPLICANT: Xu, H.

; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms

; FILE REFERENCE: ELITRA.034A

; CURRENT APPLICATION NUMBER: US/10/282,122A

; CURRENT FILING DATE: 2003-02-20

; PRIOR APPLICATION NUMBER: 60/191,078

; PRIOR FILING DATE: 2000-03-21

; PRIOR APPLICATION NUMBER: 60/206,848

; PRIOR FILING DATE: 2000-05-23

; PRIOR APPLICATION NUMBER: 60/207,727

; PRIOR FILING DATE: 2000-05-26

; PRIOR APPLICATION NUMBER: 60/230,335

; PRIOR FILING DATE: 2000-09-06

; PRIOR APPLICATION NUMBER: 60/230,347

; PRIOR FILING DATE: 2000-09-09

; PRIOR APPLICATION NUMBER: 60/242,578

; PRIOR FILING DATE: 2000-10-23

; PRIOR APPLICATION NUMBER: 60/253,625

; PRIOR FILING DATE: 2000-11-27

; PRIOR APPLICATION NUMBER: 60/257,931

; PRIOR FILING DATE: 2000-12-22

; PRIOR APPLICATION NUMBER: 60/267,636

; PRIOR FILING DATE: 2001-02-09

; PRIOR APPLICATION NUMBER: 60/269,308

; PRIOR FILING DATE: 2001-02-16

; Remaining Prior Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 78614

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 69056

; LENGTH: 214

; TYPE: PRT

; ORGANISM: Proteus mirabilis

US-10-282-122A-69056

Query Match 37.5%; Score 6; DB 4; Length 214;
 Best Local Similarity 100.0%; Pred. No. 2.1e+02;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 EFVAVPD 12
 Db 108 EFVAVPD 113

RESULT 29

US-10-301-822-217

; Sequence 217, Application US/10301822

; Publication No. US20030148410A1

GENERAL INFORMATION:

; APPLICANT: Millennium Pharmaceuticals, Inc.
 ; APPLICANT: Berger, Allison
 ; APPLICANT: Guillemette, Tracy L.
 ; APPLICANT: Kamatkar, Shubhangi
 ; APPLICANT: Schlegel, Robert
 ; APPLICANT: Monahan, John E.
 ; APPLICANT: Thibodeau, Stephen N.

; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND

; TITLE OF INVENTION: METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND

; TITLE OF INVENTION: THERAPY OF COLON CANCER

; FILE REFERENCE: MP001-029P2RNM

; CURRENT APPLICATION NUMBER: US/10/301,822

; CURRENT FILING DATE: 2002-11-21

; PRIOR APPLICATION NUMBER: US 60/339,971

; PRIOR FILING DATE: 2001-12-10

; PRIOR APPLICATION NUMBER: US 60/361,978

; PRIOR FILING DATE: 2002-03-05

; PRIOR APPLICATION NUMBER: US 60/381,988

; PRIOR FILING DATE: 2002-05-20

; NUMBER OF SEQ ID NOS: 228

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 217

; LENGTH: 216

; TYPE: PRT

; ORGANISM: Homo Sapiens

US-10-301-822-217

Query Match 37.5%; Score 6; DB 4; Length 216;
 Best Local Similarity 100.0%; Pred. No. 2.1e+02;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 VPDLLEL 15
 Db 103 VPDLLEL 108

RESULT 30

US-10-425-114-50218

; Sequence 50218, Application US/10425114

; Publication No. US20040034888A1

GENERAL INFORMATION:

; APPLICANT: Liu, Jingdong

; APPLICANT: Zhou, Yihua

; APPLICANT: Kovalic, David K.

; APPLICANT: Screen, Steven E

; APPLICANT: Tabaska, Jack E

; APPLICANT: Gao, Yongwei

; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With

; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement

; FILE REFERENCE: 38-21(53313)B

; CURRENT APPLICATION NUMBER: US/10/425,114

; CURRENT FILING DATE: 2003-04-28

; NUMBER OF SEQ ID NOS: 73128

; SEQ ID NO 50218

; LENGTH: 216

; TYPE: PRT

; ORGANISM: Zea mays

; FEATURE:

; OTHER INFORMATION: Clone ID: LIB143-021-D3_FLI.pep

US-10-425-114-50218

Query Match 37.5%; Score 6; DB 4; Length 216;
 Best Local Similarity 100.0%; Pred. No. 2.1e+02;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 11 PDLELP 16
 Db 176 PDLELP 181

RESULT 31

```
US-10-734-564-111
; Sequence 111, Application US/10734564
; Publication No. US20040157278A1
; GENERAL INFORMATION:
; APPLICANT: Christopher C Burgess et al
; TITLE OF INVENTION: Detection Methods Using TIMP1
; FILE REFERENCE: 1657/2012
; CURRENT APPLICATION NUMBER: US/10/734,564
; CURRENT FILING DATE: 2003-12-12
; NUMBER OF SEQ ID NOS: 138
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 111
; LENGTH: 216
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-734-564-111

Query Match          37.5%; Score 6; DB 4; Length 216;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 VPDLLEL 15
Db 103 VPDLLEL 108

RESULT 32
US-10-756-149-5690
; Sequence 5690, Application US/10756149
; Publication No. US20050181375A1
; GENERAL INFORMATION:
; APPLICANT: Aziz, Natasha
; APPLICANT: Zlotnik, Albert
; TITLE OF INVENTION: NOVEL METHODS OF DIAGNOSIS OF METASTATIC CANCER, COMPOSITIONS AND
; FILE REFERENCE: file
; CURRENT APPLICATION NUMBER: US/10/756,149
; CURRENT FILING DATE: 2004-01-12
; NUMBER OF SEQ ID NOS: 5818
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 5690
; LENGTH: 216
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-10-756-149-5690

Query Match          37.5%; Score 6; DB 5; Length 216;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 VPDLLEL 15
Db 103 VPDLLEL 108

RESULT 33
US-10-732-923-21147
; Sequence 21147, Application US/10732923
; Publication No. US20050108791A1
; GENERAL INFORMATION:
; APPLICANT: Edgerton, Michael D
; TITLE OF INVENTION: TRANSGENIC PLANTS WITH IMPROVED PHENOTYPES
; FILE REFERENCE: 38-15(52796)C
; CURRENT APPLICATION NUMBER: US/10/732,923
; CURRENT FILING DATE: 2003-12-10
; PRIOR APPLICATION NUMBER: 10/310,154
; PRIOR FILING DATE: 2002-12-04
; NUMBER OF SEQ ID NOS: 24149
; SEQ ID NO 21147
; LENGTH: 220
; TYPE: PRT
; ORGANISM: Oryza sativa (japonica cultivar-group)
US-10-732-923-21147
```

```
Query Match          37.5%; Score 6; DB 5; Length 220;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
Qy 10 VPDLLEL 15
Db 10 VPDLLEL 15
```

```
RESULT 34
US-10-732-923-21391
; Sequence 21391, Application US/10732923
; Publication No. US20050108791A1
; GENERAL INFORMATION:
; APPLICANT: Edgerton, Michael D
; TITLE OF INVENTION: TRANSGENIC PLANTS WITH IMPROVED PHENOTYPES
; FILE REFERENCE: 38-15(52796)C
; CURRENT APPLICATION NUMBER: US/10/732,923
; CURRENT FILING DATE: 2003-12-10
; PRIOR APPLICATION NUMBER: 10/310,154
; PRIOR FILING DATE: 2002-12-04
; NUMBER OF SEQ ID NOS: 24149
; SEQ ID NO 21391
; LENGTH: 220
; TYPE: PRT
; ORGANISM: Oryza sativa
US-10-732-923-21391
```

```
Query Match          37.5%; Score 6; DB 5; Length 220;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 10 VPDLLEL 15
Db 10 VPDLLEL 15
```

RESULT 35

```
US-10-425-115-255964
; Sequence 255964, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 255964
; LENGTH: 227
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(227)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_16502C.1.pep
US-10-425-115-255964
```

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Query Match          37.5%; Score 6; DB 4; Length 227;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
Qy 11 PDLELP 16
Db 164 PDLELP 169
```

RESULT 36
US-10-425-114-69119
; Sequence 69119, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E.
; APPLICANT: Tabaska, Jack E.
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(5313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 69119
; LENGTH: 249
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: UC-ZMFLB73107G10_FLI.pep
US-10-425-114-69119
Query Match 37.5%; Score 6; DB 4; Length 249;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 11 PDLELP 16
Db 176 PDLELP 181
RESULT 37
US-10-301-822-220
; Sequence 220, Application US/10301822
; Publication No. US20030148410A1
; GENERAL INFORMATION:
; APPLICANT: Millennium Pharmaceuticals, Inc.
; APPLICANT: Berger, Allison
; APPLICANT: Guillemette, Tracy L.
; APPLICANT: Kamatkar, Shubhangi
; APPLICANT: Schlegel, Robert
; APPLICANT: Monahan, John E.
; APPLICANT: Thibodeau, Stephen N.
; APPLICANT: Burgart, Lawrence J.
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND
; METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; THERAPY OF COLON CANCER
; FILE REFERENCE: MP001-029P2RNM
; CURRENT APPLICATION NUMBER: US/10/301,822
; CURRENT FILING DATE: 2002-11-21
; PRIOR FILING DATE: 2001-12-10
; PRIOR APPLICATION NUMBER: US 60/361,978
; PRIOR FILING DATE: 2002-03-05
; PRIOR APPLICATION NUMBER: US 60/381,988
; PRIOR FILING DATE: 2002-05-20
; NUMBER OF SEQ ID NOS: 228
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 220
; LENGTH: 251
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-10-301-822-220
Query Match 37.5%; Score 6; DB 4; Length 251;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 10 VPDLEL 15

Db 103 VPDLEL 108
RESULT 38
US-10-457-372-11
; GENERAL INFORMATION:
; APPLICANT: UENO, EIICHI
; APPLICANT: NOBUYUKI, FUJII
; APPLICANT: OKADA, MASAHISA
; TITLE OF INVENTION: FUSED DNA SEQUENCE, FUSED PROTEIN
; EXPRESSED FROM SAID FUSED DNA SEQUENCE AND METHOD FOR
; EXPRESSING SAID DNA SEQUENCE
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCCELLELAND, MAIER & NEUSTADT,
; P.C.
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY, SUITE 400
; CITY: ARLINGTON
; STATE: VA
; COUNTRY: USA
; ZIP: 22202
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/457,372
; FILING DATE: 10-Jun-2003
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/778,717
; FILING DATE: 12-DEC-1996
; APPLICATION NUMBER: JP 352225/1995
; FILING DATE: 28-DEC-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: OBLON, NORMAN F.
; REGISTRATION NUMBER: 24,618
; REFERENCE/DOCKET NUMBER: 2084-031-0
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-413-3000
; TELEFAX: 703-413-2220
; RELEVANT RESIDUES IN SEQ ID NO: 11: FROM 1 TO 255
; SEQUENCE DESCRIPTION: SEQ ID NO: 11:
US-10-457-372-11
Query Match 37.5%; Score 6; DB 4; Length 255;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 6 SEFAPV 11
Db 77 SEFAPV 82
RESULT 39
US-10-106-698-6128
; Sequence 6128, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564

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; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 6128
; LENGTH: 257
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-106-698-6128

Query Match      37.5%; Score 6; DB 4; Length 257;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 VPDLEL 15
Db      93 VPDLEL 98
      |||||

RESULT 40
US-10-457-372-13
; GENERAL INFORMATION:
; APPLICANT: UENO, EIICHI
; NOBUYUKI, FUJII
; OKADA, MASAHISA
; TITLE OF INVENTION: FUSED DNA SEQUENCE, FUSED PROTEIN
; EXPRESSED FROM SAID FUSED DNA SEQUENCE AND METHOD FOR
; EXPRESSING SAID DNA SEQUENCE
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY, SUITE 400
; CITY: ARLINGTON
; STATE: VA
; COUNTRY: USA
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/457,372
; FILING DATE: 10-Jun-2003
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/778,717
; FILING DATE: 12-DEC-1996
; APPLICATION NUMBER: JP 352225/1995
; FILING DATE: 28-DEC-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: OBLON, NORMAN F.
; REGISTRATION NUMBER: 24,618
; REFERENCE/DOCKET NUMBER: 2084-031-0
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-413-3000
; TELEFAX: 703-413-2220
; RELEVANT RESIDUES IN SEQ ID NO: 13: FROM 1 TO 257
; SEQUENCE DESCRIPTION: SEQ ID NO: 13:

US-10-457-372-13

Query Match      37.5%; Score 6; DB 4; Length 257;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      6 SEFAVP 11
Db      77 SEFAVP 82
      |||||

RESULT 41
US-10-301-822-215
; Sequence 215, Application US/10301822
; Publication No. US2003014841A1
; GENERAL INFORMATION:
; APPLICANT: Millennium Pharmaceuticals, Inc.
; APPLICANT: Berger, Allison
; APPLICANT: Guillemette, Tracy L.
; APPLICANT: Kamatkar, Shubhangi
; APPLICANT: Schlegel, Robert
; APPLICANT: Monahan, John E.
; APPLICANT: Thibodeau, Stephen N.
; APPLICANT: BURGART, Lawrence J.
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND
; METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; THERAPY OF COLON CANCER
; FILE REFERENCE: MPM01-029P2RNM
; CURRENT APPLICATION NUMBER: US/10/301,822
; CURRENT FILING DATE: 2002-11-21
; PRIOR APPLICATION NUMBER: US 60/339,971
; PRIOR FILING DATE: 2001-12-10
; PRIOR APPLICATION NUMBER: US 60/361,978
; PRIOR FILING DATE: 2002-03-05
; PRIOR APPLICATION NUMBER: US 60/381,988
; PRIOR FILING DATE: 2002-05-20
; NUMBER OF SEQ ID NOS: 228
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 215
; LENGTH: 267
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-10-301-822-215

Query Match      37.5%; Score 6; DB 4; Length 267;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 VPDLEL 15
Db      103 VPDLEL 108
      |||||

RESULT 42
US-11-097-143-33189
; Sequence 33189, Application US/11097143
; Publication No. US20050208558A1
; GENERAL INFORMATION:
; APPLICANT: Venter, J. Craig
; APPLICANT: et al.
; TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID
; ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE
; GENES
; FILE REFERENCE: CL000728
; CURRENT APPLICATION NUMBER: US/11/097,143
; CURRENT FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: 60/157,832
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: 60/160,191
; PRIOR FILING DATE: 1999-10-19
; PRIOR APPLICATION NUMBER: 60/161,932
; PRIOR FILING DATE: 1999-10-28
; PRIOR APPLICATION NUMBER: 60/164,769
; PRIOR FILING DATE: 1999-11-12
; PRIOR APPLICATION NUMBER: 60/173,383
; PRIOR FILING DATE: 1999-12-28
; PRIOR APPLICATION NUMBER: 60/175,693
; PRIOR FILING DATE: 2000-01-12
; PRIOR APPLICATION NUMBER: 60/184,831
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: 60/191,637
; PRIOR FILING DATE: 2000-03-23
; NUMBER OF SEQ ID NOS: 43008
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 33189
; LENGTH: 278
; TYPE: PRT
; ORGANISM: DROSOPHILA
US-11-097-143-33189
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Query Match 37.5%; Score 6; DB 6; Length 278;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 FAVPDL 13
Db 262 FAVPDL 267

RESULT 43

US-10-617-320-4311

; Sequence 4311, Application US/10617320

; Publication No. US20050136404A1

; GENERAL INFORMATION:

; APPLICANT: Lynn A Doucette-Stamm and David Bush

; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID

; SEQUENCES RELATING TO STREPTOCOCCUS PNEUMONIAE

; THERAPEUTICS

; NUMBER OF SEQUENCES: 5206

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: GENOME THERAPEUTICS CORPORATION

; STREET: 100 Beaver Street

; CITY: Waltham

; STATE: Massachusetts

; COUNTRY: USA

; ZIP: 02354

; COMPUTER READABLE FORM:

; MEDIUM TYPE: CD-ROM ISO9660

; COMPUTER: <Unknown>

; OPERATING SYSTEM: <Unknown>

; SOFTWARE: <Unknown>

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/10/617,320

; FILING DATE: 10-Jul-2003

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US/09/107,433

; FILING DATE: 30-Jun-1998

; APPLICATION NUMBER: 60/ 085131

; FILING DATE: May 12, 1998

; APPLICATION NUMBER: 60/051553

; FILING DATE: July 2, 1997

; ATTORNEY/AGENT INFORMATION:

; NAME: Arinello, Pamela Deneke

; REGISTRATION NUMBER: 40,489

; REFERENCE/DOCKET NUMBER: GTC-011

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (781)893-5007

; TELEFAX: (781)893-8277

; INFORMATION FOR SEQ ID NO: 4311:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 284 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

; HYPOTHETICAL: YES

; ORIGINAL SOURCE:

; ORGANISM: Streptococcus pneumoniae

; FEATURE:

; NAME/KEY: misc feature

; LOCATION: (B) LOCATION 1...284

; SEQUENCE DESCRIPTION: SEQ ID NO: 4311:

US-10-617-320-4311

Query Match 37.5%; Score 6; DB 5; Length 284;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 5 KSEFAV 10
Db 74 KSEFAV 79

RESULT 44

US-10-425-114-37694

; Sequence 37694, Application US/10425114

; Publication No. US20040034888A1

; GENERAL INFORMATION:

; APPLICANT: Liu, Jingdong

; APPLICANT: Zhou, Yihua

; APPLICANT: Kovalic, David K.

; APPLICANT: Screen, Steven E

; APPLICANT: Tabaska, Jack E

; APPLICANT: Cao, Yongwei

; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With

; FILE REFERENCE: 38-21(53313)B

; CURRENT APPLICATION NUMBER: US/10/425,114

; CURRENT FILING DATE: 2003-04-28

; NUMBER OF SEQ ID NOS: 73128

; SEQ ID NO 37694

; LENGTH: 295

; TYPE: PRT

; ORGANISM: Zea mays

; FEATURE:

; OTHER INFORMATION: Clone ID: 700238962_FLI.pep

US-10-425-114-37694

Query Match 37.5%; Score 6; DB 4; Length 295;

Best Local Similarity 100.0%; Pred. No. 2.7e+02;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 11 PDLELP 16

Db 176 PDLELP 181

RESULT 45

US-10-282-122A-50380

; Sequence 50380, Application US/10282122A

; Publication No. US20040029129A1

; GENERAL INFORMATION:

; APPLICANT: Wang, Liangsu

; APPLICANT: Zamudio, Carlos

; APPLICANT: Malone, Cheryl

; APPLICANT: Haselbeck, Robert

; APPLICANT: Ohlsen, Kari

; APPLICANT: Zyskind, Judith

; APPLICANT: Wall, Daniel

; APPLICANT: Trawick, John

; APPLICANT: Carr, Grant

; APPLICANT: Yamamoto, Robert

; APPLICANT: Forsyth, R.

; APPLICANT: Xu, H.

; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms

; FILE REFERENCE: ELITRA.034A

; CURRENT APPLICATION NUMBER: US/10/282,122A

; CURRENT FILING DATE: 2003-02-20

; PRIOR APPLICATION NUMBER: 60/191,078

; PRIOR FILING DATE: 2000-03-21

; PRIOR APPLICATION NUMBER: 60/206,848

; PRIOR FILING DATE: 2000-05-23

; PRIOR APPLICATION NUMBER: 60/207,727

; PRIOR FILING DATE: 2000-05-26

; PRIOR APPLICATION NUMBER: 60/230,335

; PRIOR FILING DATE: 2000-09-06

; PRIOR APPLICATION NUMBER: 60/230,347

; PRIOR FILING DATE: 2000-09-09

; PRIOR APPLICATION NUMBER: 60/242,578

; PRIOR FILING DATE: 2000-10-23

; PRIOR APPLICATION NUMBER: 60/253,625

; PRIOR FILING DATE: 2000-11-27

; PRIOR APPLICATION NUMBER: 60/257,931

; PRIOR FILING DATE: 2000-12-22

; PRIOR APPLICATION NUMBER: 60/267,636

; PRIOR FILING DATE: 2001-02-09

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; PRIOR APPLICATION NUMBER: 60/259,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 50380
; LENGTH: 319
; TYPE: PRT
; ORGANISM: Burkholderia mallei
US-10-282-122A-50380

Query Match          37.5%; Score 6; DB 4; Length 319;
Best Local Similarity 100.0%; Pred. No. 2.9e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      8 FAVPDL 13
Db      139 FAVPDL 144
|||||

RESULT 46
US-10-670-454-6
; Sequence 6, Application US/10670454
; Publication No. US20040229357A1
; GENERAL INFORMATION:
; APPLICANT: Thomas, Stephen G
; APPLICANT: Hedden, Peter
; APPLICANT: Phillips, Andrew L
; TITLE OF INVENTION: Gibberellin 2-Oxidase
; FILE REFERENCE: 0623.0970000
; CURRENT APPLICATION NUMBER: US/10/670,454
; CURRENT FILING DATE: 2003-09-26
; PRIOR APPLICATION NUMBER: US/09/719,108
; PRIOR FILING DATE: 2000-12-08
; PRIOR APPLICATION NUMBER: PCT/GB99/01857
; PRIOR FILING DATE: 1999-06-11
; PRIOR APPLICATION NUMBER: GB 9812821.8
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: GB 9815404.0
; PRIOR FILING DATE: 1998-07-15
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 329
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-10-670-454-6

Query Match          37.5%; Score 6; DB 5; Length 329;
Best Local Similarity 100.0%; Pred. No. 3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      2 SLPKSE 7
Db      66 SLPKSE 71
|||||

RESULT 47
US-10-155-435-10
; Sequence 10, Application US/10155435
; Publication No. US20030226177A1
; GENERAL INFORMATION:
; APPLICANT: Amasino, Richard M.
; APPLICANT: Schomburg, Fritz M.
; APPLICANT: Michaels, Scott D.
; APPLICANT: Bizzell, Colleen M.
; TITLE OF INVENTION: Dwarfism Genes and Dwarf Plants
; FILE REFERENCE: 960296.97605
; CURRENT APPLICATION NUMBER: US/10/155,435
; CURRENT FILING DATE: 2002-05-23
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 10

; PRIOR APPLICATION NUMBER: 60/259,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 50380
; LENGTH: 319
; TYPE: PRT
; ORGANISM: Burkholderia mallei
US-10-282-122A-50380

Query Match          37.5%; Score 6; DB 4; Length 319;
Best Local Similarity 100.0%; Pred. No. 2.9e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      8 FAVPDL 13
Db      139 FAVPDL 144
|||||

RESULT 46
US-10-670-454-6
; Sequence 6, Application US/10670454
; Publication No. US20040229357A1
; GENERAL INFORMATION:
; APPLICANT: Thomas, Stephen G
; APPLICANT: Hedden, Peter
; APPLICANT: Phillips, Andrew L
; TITLE OF INVENTION: Gibberellin 2-Oxidase
; FILE REFERENCE: 0623.0970000
; CURRENT APPLICATION NUMBER: US/10/670,454
; CURRENT FILING DATE: 2003-09-26
; PRIOR APPLICATION NUMBER: US/09/719,108
; PRIOR FILING DATE: 2000-12-08
; PRIOR APPLICATION NUMBER: PCT/GB99/01857
; PRIOR FILING DATE: 1999-06-11
; PRIOR APPLICATION NUMBER: GB 9812821.8
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: GB 9815404.0
; PRIOR FILING DATE: 1998-07-15
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 329
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-10-670-454-6

Query Match          37.5%; Score 6; DB 5; Length 329;
Best Local Similarity 100.0%; Pred. No. 3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      2 SLPKSE 7
Db      66 SLPKSE 71
|||||

RESULT 47
US-10-155-435-10
; Sequence 10, Application US/10155435
; Publication No. US20030226177A1
; GENERAL INFORMATION:
; APPLICANT: Amasino, Richard M.
; APPLICANT: Schomburg, Fritz M.
; APPLICANT: Michaels, Scott D.
; APPLICANT: Bizzell, Colleen M.
; TITLE OF INVENTION: Dwarfism Genes and Dwarf Plants
; FILE REFERENCE: 960296.97605
; CURRENT APPLICATION NUMBER: US/10/155,435
; CURRENT FILING DATE: 2002-05-23
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 10
```

```
; LENGTH: 330
; TYPE: PRT
; ORGANISM: Arabidopsis
US-10-155-435-10

Query Match          37.5%; Score 6; DB 4; Length 330;
Best Local Similarity 100.0%; Pred. No. 3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      2 SLPKSE 7
Db      66 SLPKSE 71
|||||

RESULT 48
US-11-097-143-42387
; Sequence 42387, Application US/11097143
; Publication No. US20050208558A1
; GENERAL INFORMATION:
; APPLICANT: Venter, J. Craig
; APPLICANT: et al.
; TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID
; TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE
; FILE REFERENCE: CL000728
; CURRENT APPLICATION NUMBER: US/11/097,143
; CURRENT FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: 60/157,832
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: 60/160,191
; PRIOR FILING DATE: 1999-10-19
; PRIOR APPLICATION NUMBER: 60/161,932
; PRIOR FILING DATE: 1999-10-28
; PRIOR APPLICATION NUMBER: 60/164,769
; PRIOR FILING DATE: 1999-11-12
; PRIOR APPLICATION NUMBER: 60/173,383
; PRIOR FILING DATE: 1999-12-28
; PRIOR APPLICATION NUMBER: 60/175,693
; PRIOR FILING DATE: 2000-01-12
; PRIOR APPLICATION NUMBER: 60/184,831
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: 60/191,637
; PRIOR FILING DATE: 2000-03-23
; NUMBER OF SEQ ID NOS: 43008
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 42387
; LENGTH: 346
; TYPE: PRT
; ORGANISM: DROSOPHILA
US-11-097-143-42387

Query Match          37.5%; Score 6; DB 6; Length 346;
Best Local Similarity 100.0%; Pred. No. 3.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      9 AVPDLE 14
Db      134 AVPDLE 139
|||||

RESULT 49
US-10-424-599-162707
; Sequence 162707, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
```


; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 162707
; LENGTH: 347
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_117943C.1.pep
US-10-424-599-162707

Query Match 37.5%; Score 6; DB 4; Length 347;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 VPDLEL 15
Db 19 VPDLEL 24

RESULT 50
US-10-425-114-68412
; Sequence 68412, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei

; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 68412
; LENGTH: 359
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB3060-003-H10_FLI.pep
US-10-425-114-68412

Query Match 37.5%; Score 6; DB 4; Length 359;
Best Local Similarity 100.0%; Pred. No. 3.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 AVPDLE 14
Db 138 AVPDLE 143

RESULT 51
US-10-425-115-337225
; Sequence 337225, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua

; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 337225
; LENGTH: 367
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_117943C.1.pep
US-10-424-599-162707

Query Match 37.5%; Score 6; DB 4; Length 413;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;

; NAME/KEY: unsure
; LOCATION: (1)...(367)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_70718C.1.pep
US-10-425-115-337225

Query Match 37.5%; Score 6; DB 4; Length 367;
Best Local Similarity 100.0%; Pred. No. 3.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 SLPKSE 7
Db 188 SLPKSE 193

RESULT 52
US-10-425-115-276049
; Sequence 276049, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua

; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 276049
; LENGTH: 396
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_183342C.1.pep
US-10-425-115-276049

Query Match 37.5%; Score 6; DB 4; Length 396;
Best Local Similarity 100.0%; Pred. No. 3.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 VPDLEL 15
Db 57 VPDLEL 62

RESULT 53
US-10-425-115-287563
; Sequence 287563, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua

; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 287563
; LENGTH: 413
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_25353C.1.pep
US-10-425-115-287563

Query Match 37.5%; Score 6; DB 4; Length 413;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 AVPDLE 14
|||||
Db 117 AVPDLE 122

RESULT 54

US-10-374-780A-1522
; Sequence 1522, Application US/10374780A
; Publication No. US20040019927A1

; GENERAL INFORMATION:

; APPLICANT: Sherman, Bradley K

; APPLICANT: Riechmann, Jose Luis

; APPLICANT: Jiang, Cai-Zhong

; APPLICANT: Heard, Jacqueline E

; APPLICANT: Haake, Volker

; APPLICANT: Creelman, Robert A

; APPLICANT: Ratcliffe, Oliver

; APPLICANT: Adam, Luc J

; APPLICANT: Reuber, T. Lynne

; APPLICANT: Keddle, James

; APPLICANT: Broun, Pierre E

; APPLICANT: Pilgrim, Marsha L

; APPLICANT: Dubell III, Arnold T

; APPLICANT: Pineda, Omaira

; APPLICANT: Yu, Guo-Liang

; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES IN PLANTS

; FILE REFERENCE: MBI-0047 CIP

; CURRENT APPLICATION NUMBER: US/10/374,780A

; CURRENT FILING DATE: 2003-02-25

; PRIOR APPLICATION NUMBER: 09/837,944

; PRIOR FILING DATE: 2001-04-18

; PRIOR APPLICATION NUMBER: 60/310,847

; PRIOR FILING DATE: 2001-08-09

; PRIOR APPLICATION NUMBER: 09/934,455

; PRIOR FILING DATE: 2001-08-22

; PRIOR APPLICATION NUMBER: 60/336,049

; PRIOR FILING DATE: 2001-11-19

; PRIOR APPLICATION NUMBER: 60/338,692

; PRIOR FILING DATE: 2001-12-11

; PRIOR APPLICATION NUMBER: 10/171,468

; PRIOR FILING DATE: 2002-06-14

; PRIOR APPLICATION NUMBER: 10/225,066

; PRIOR FILING DATE: 2002-08-09

; PRIOR APPLICATION NUMBER: 10/225,067

; PRIOR FILING DATE: 2002-08-09

; PRIOR APPLICATION NUMBER: 10/225,068

; PRIOR FILING DATE: 2002-08-09

; NUMBER OF SEQ ID NOS: 2906

; SOFTWARE: PatentIn version 3.2

; SEQ ID NO 1522

; LENGTH: 421

; TYPE: PRT

; ORGANISM: Oryza sativa

; FEATURE:

; OTHER INFORMATION: Orthologous to G1255

US-10-374-780A-1522

Query Match 37.5%; Score 6; DB 4; Length 421;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 AVPDLE 14
|||||
Db 126 AVPDLE 131

RESULT 55

US-10-412-699B-1593

; Sequence 1593, Application US/10412699B

; Publication No. US20040045049A1

; GENERAL INFORMATION:

; APPLICANT: Kovalic, David K.

; TITLE OF INVENTION: NUCLEIC ACID MOLECULES AND OTHER MOLECULES ASSOCIATED WITH

; FILE REFERENCE: 38-21(53377)B

; CURRENT APPLICATION NUMBER: US/10/739,930

; CURRENT FILING DATE: 2003-12-18

; NUMBER OF SEQ ID NOS: 11088

; APPLICANT: Mendel Biotechnology, Inc.
; APPLICANT: Zhang, James
; APPLICANT: Fromm, Michael E.
; APPLICANT: Heard, Jacqueline E.
; APPLICANT: Riechmann, Jose Luis
; APPLICANT: Adam, Luc J.
; APPLICANT: Broun, Pierre E.
; APPLICANT: Pineda, Omaira
; APPLICANT: Reuber, T. Lynne
; APPLICANT: Keddle, James S.
; APPLICANT: Yu, Guo-Liang
; APPLICANT: Jiang, Cai-Zhong
; APPLICANT: Samaha, Raymond R.
; APPLICANT: Pilgrim, Marsha L.
; APPLICANT: Creelman, Robert A.
; APPLICANT: Dubell, Arnold N.
; APPLICANT: Ratcliffe, Oliver
; APPLICANT: Kumimoto, Roderick
; APPLICANT: Sherman, Bradley K.

; TITLE OF INVENTION: Polynucleotides and Polypeptides in Plants

; FILE REFERENCE: MBI-0048CIP

; CURRENT APPLICATION NUMBER: US/10/412,699B

; CURRENT FILING DATE: 2003-04-10

; PRIOR APPLICATION NUMBER: 09/394,519

; PRIOR FILING DATE: 1999-09-13

; PRIOR APPLICATION NUMBER: 09/489,376

; PRIOR FILING DATE: 2000-01-21

; PRIOR APPLICATION NUMBER: 09/506,720

; PRIOR FILING DATE: 2000-02-17

; PRIOR APPLICATION NUMBER: 09/533,030

; PRIOR FILING DATE: 2000-03-22

; PRIOR APPLICATION NUMBER: 09/533,392

; PRIOR FILING DATE: 2000-03-22

; PRIOR APPLICATION NUMBER: 09/533,029

; PRIOR FILING DATE: 2000-03-22

; PRIOR APPLICATION NUMBER: 09/532,591

; PRIOR FILING DATE: 2000-03-22

; PRIOR APPLICATION NUMBER: 09/533,648

; PRIOR FILING DATE: 2000-03-22

; PRIOR APPLICATION NUMBER: 09/713,994

; PRIOR FILING DATE: 2000-11-16

; PRIOR APPLICATION NUMBER: 09/819,142

; PRIOR FILING DATE: 2001-03-27

; Remaining Prior Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 2011

; SOFTWARE: PatentIn version 3.2

; SEQ ID NO 1593

; LENGTH: 421

; TYPE: PRT

; ORGANISM: Oryza sativa

US-10-412-699B-1593

Query Match 37.5%; Score 6; DB 4; Length 421;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 AVPDLE 14
|||||
Db 126 AVPDLE 131

RESULT 56

US-10-739-930-7911

; Sequence 7911, Application US/10739930

; Publication No. US20040216190A1

; GENERAL INFORMATION:

; APPLICANT: Kovalic, David K.

; TITLE OF INVENTION: NUCLEIC ACID MOLECULES AND OTHER MOLECULES ASSOCIATED WITH

; FILE REFERENCE: 38-21(53377)B

; CURRENT APPLICATION NUMBER: US/10/739,930

; CURRENT FILING DATE: 2003-12-18

; NUMBER OF SEQ ID NOS: 11088

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; SEQ ID NO 7911
; LENGTH: 449
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(449)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: ZEAMA-23APR03-C30897_2.p
US-10-739-930-7911

Query Match          37.5%; Score 6; DB 5; Length 449;
Best Local Similarity 100.0%; Pred. No. 4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 11 PDLELP 16
Db 102 PDLELP 107

RESULT 57
US-10-156-761-9431
; Sequence 9431, Application US/10156761
; Publication No. US20030119018A1
; GENERAL INFORMATION:
; APPLICANT: OMURA, SATOSHI
; APPLICANT: IKEDA, HARUO
; APPLICANT: ISHIKAWA, JUN
; APPLICANT: HORIKAWA, HIROSHI
; APPLICANT: SHIBA, TADAYOSHI
; APPLICANT: SAKAKI, YOSHIYUKI
; APPLICANT: HATTORI, MASAHIRA
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
; FILE REFERENCE: 249-262
; CURRENT APPLICATION NUMBER: US/10/156,761
; CURRENT FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: JP 2001-204089
; PRIOR FILING DATE: 2001-05-30
; PRIOR APPLICATION NUMBER: JP 2001-272697
; PRIOR FILING DATE: 2001-08-02
; NUMBER OF SEQ ID NOS: 15109
; SEQ ID NO 9431
; LENGTH: 453
; TYPE: PRT
; ORGANISM: Streptomyces avermitilis
US-10-156-761-9431

Query Match          37.5%; Score 6; DB 4; Length 453;
Best Local Similarity 100.0%; Pred. No. 4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 AVPDLE 14
Db 307 AVPDLE 312

RESULT 58
US-10-156-761-10341
; Sequence 10341, Application US/10156761
; Publication No. US20030119018A1
; GENERAL INFORMATION:
; APPLICANT: OMURA, SATOSHI
; APPLICANT: IKEDA, HARUO
; APPLICANT: ISHIKAWA, JUN
; APPLICANT: HORIKAWA, HIROSHI
; APPLICANT: SHIBA, TADAYOSHI
; APPLICANT: SAKAKI, YOSHIYUKI
; APPLICANT: HATTORI, MASAHIRA
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
; FILE REFERENCE: 249-262
; CURRENT APPLICATION NUMBER: US/10/156,761
; CURRENT FILING DATE: 2002-05-29
```

```
; PRIOR APPLICATION NUMBER: JP 2001-204089
; PRIOR FILING DATE: 2001-05-30
; PRIOR APPLICATION NUMBER: JP 2001-272697
; PRIOR FILING DATE: 2001-08-02
; NUMBER OF SEQ ID NOS: 15109
; SEQ ID NO 10341
; LENGTH: 466
; TYPE: PRT
; ORGANISM: Streptomyces avermitilis
US-10-156-761-10341

Query Match          37.5%; Score 6; DB 4; Length 466;
Best Local Similarity 100.0%; Pred. No. 4.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 11 PDLELP 16
Db 191 PDLELP 196

RESULT 59
US-10-282-122A-70351
; Sequence 70351, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282.122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 70351
; LENGTH: 490
; TYPE: PRT
; ORGANISM: Staphylococcus aureus
US-10-282-122A-70351

Query Match          37.5%; Score 6; DB 4; Length 490;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy      1 YSLPKS 6
Db      20 YSLPKS 25

RESULT 60
US-10-437-963-197508
; Sequence 197508, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 197508
; LENGTH: 493
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(493)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_93259C.1.pep
; US-10-437-963-197508

Query Match      37.5%; Score 6; DB 4; Length 493;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      9 AVPDLE 14
Db      244 AVPDLE 249

RESULT 61
US-10-282-122A-48553
; Sequence 48553, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
;

; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 48553
; LENGTH: 509
; TYPE: PRT
; ORGANISM: Bacteroides fragilis
US-10-282-122A-48553

Query Match      37.5%; Score 6; DB 4; Length 509;
Best Local Similarity 100.0%; Pred. No. 4.4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      9 AVPDLE 14
Db      202 AVPDLE 207

RESULT 62
US-10-492-783-4
; Sequence 4, Application US/10492783
; Publication No. US20050130148A1
; GENERAL INFORMATION:
; APPLICANT: Dunn-Coleman, Nigel
; APPLICANT: Goedegebuur, Frits
; APPLICANT: Ward, Michael
; TITLE OF INVENTION: Trichoderma reesei Phytase Enzymes,
; TITLE OF INVENTION: Nucleic Acids Encoding Such Phytase Enzymes, Vectors and
; TITLE OF INVENTION: Host Cells Incorporating Same and Methods of Making and
; TITLE OF INVENTION: Using Same
; FILE REFERENCE: GC692-2-US
; CURRENT APPLICATION NUMBER: US/10/492,783
; CURRENT FILING DATE: 2004-04-14
; PRIOR APPLICATION NUMBER: PCT/US02/32379
; PRIOR FILING DATE: 2002-10-09
; PRIOR APPLICATION NUMBER: US 60/339,475
; PRIOR FILING DATE: 2001-10-26
; NUMBER OF SEQ ID NOS: 53
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 524
; TYPE: PRT
; ORGANISM: Trichoderma reesei
US-10-492-783-4

Query Match      37.5%; Score 6; DB 5; Length 524;
Best Local Similarity 100.0%; Pred. No. 4.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      9 AVPDLE 14
Db      23 AVPDLE 28

RESULT 63
US-10-282-122A-72951
; Sequence 72951, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
```

```
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 72951
; LENGTH: 535
; TYPE: PRT
; ORGANISM: Salmonella paratyphi A
US-10-282-122A-72951

Query Match      37.5%; Score 6; DB 4; Length 535;
Best Local Similarity 100.0%; Pred. No. 4.6e+02;
Matches      6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      2 SLPKSE 7
Db      268 SLPKSE 273
      |||||

RESULT 64
US-10-282-122A-75100
; Sequence 75100, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
```

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; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 75100
; LENGTH: 543
; TYPE: PRT
; ORGANISM: Salmonella typhimurium
US-10-282-122A-75100

Query Match      37.5%; Score 6; DB 4; Length 543;
Best Local Similarity 100.0%; Pred. No. 4.7e+02;
Matches      6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      2 SLPKSE 7
Db      268 SLPKSE 273
      |||||

RESULT 65
US-10-156-761-13874
; Sequence 13874, Application US/10156761
; Publication No. US20030119018A1
; GENERAL INFORMATION:
; APPLICANT: OMURA, SATOSHI
; APPLICANT: IKEDA, HARUO
; APPLICANT: ISHIKAWA, JUN
; APPLICANT: HORIKAWA, HIROSHI
; APPLICANT: SHIBA, TADAYOSHI
; APPLICANT: SAKAKI, YOSHIYUKI
; APPLICANT: HATTORI, MASAHIRA
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
; FILE REFERENCE: 249-262
; CURRENT APPLICATION NUMBER: US/10/156,761
; CURRENT FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: JP 2001-204089
; PRIOR FILING DATE: 2001-05-30
; PRIOR APPLICATION NUMBER: JP 2001-272697
; PRIOR FILING DATE: 2001-08-02
; NUMBER OF SEQ ID NOS: 15109
; SEQ ID NO 13874
; LENGTH: 608
; TYPE: PRT
; ORGANISM: Streptomyces avermitilis
US-10-156-761-13874

Query Match      37.5%; Score 6; DB 4; Length 608;
Best Local Similarity 100.0%; Pred. No. 5.2e+02;
Matches      6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      2 SLPKSE 7
      |||||
```

```
Db          548 SLPKSE 553

RESULT 66
US-11-097-143-8622
; Sequence 8622, Application US/11097143
; Publication No. US20050208558A1
; GENERAL INFORMATION:
; APPLICANT: Venter, J. Craig
; APPLICANT: et al.
; TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID
; TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE
; TITLE OF INVENTION: DROSOPHILA GENES.
; FILE REFERENCE: CL000728
; CURRENT APPLICATION NUMBER: US/11/097,143
; CURRENT FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: 60/157,832
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: 60/160,191
; PRIOR FILING DATE: 1999-10-19
; PRIOR APPLICATION NUMBER: 60/161,932
; PRIOR FILING DATE: 1999-10-28
; PRIOR APPLICATION NUMBER: 60/164,769
; PRIOR FILING DATE: 1999-11-12
; PRIOR APPLICATION NUMBER: 60/173,383
; PRIOR FILING DATE: 1999-12-28
; PRIOR APPLICATION NUMBER: 60/175,693
; PRIOR FILING DATE: 2000-01-12
; PRIOR APPLICATION NUMBER: 60/184,831
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: 60/191,637
; PRIOR FILING DATE: 2000-03-23
; NUMBER OF SEQ ID NOS: 43008
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8622
; LENGTH: 611
; TYPE: PRT
; ORGANISM: DROSOPHILA
US-11-097-143-8622

Query Match          37.5%; Score 6; DB 6; Length 611;
Best Local Similarity 100.0%; Pred. No. 5.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy          11 PDLELP 16
           |||||
Db          462 PDLELP 467

RESULT 67
US-10-437-963-155480
; Sequence 155480, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 155480
; LENGTH: 643
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
```

```
; OTHER INFORMATION: Clone ID: PAT_MRT4530_55239C.1.pep
US-10-437-963-155480

Query Match          37.5%; Score 6; DB 4; Length 643;
Best Local Similarity 100.0%; Pred. No. 5.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy          1 YSLPKS 6
           |||||
Db          239 YSLPKS 244

RESULT 68
US-10-425-115-337231
; Sequence 337231, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 337231
; LENGTH: 657
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_70723C.1.pep
US-10-425-115-337231

Query Match          37.5%; Score 6; DB 4; Length 657;
Best Local Similarity 100.0%; Pred. No. 5.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy          2 SLPKSE 7
           |||||
Db          204 SLPKSE 209

RESULT 69
US-10-156-761-7696
; Sequence 7696, Application US/10156761
; Publication No. US20030119018A1
; GENERAL INFORMATION:
; APPLICANT: OMURA, SATOSHI
; APPLICANT: IKEDA, HARUO
; APPLICANT: ISHIKAWA, JUN
; APPLICANT: HORIKAWA, HIROSHI
; APPLICANT: SHIBA, TADAYOSHI
; APPLICANT: SAKAKI, YOSHIYUKI
; APPLICANT: HATTORI, MASAHIRA
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
; FILE REFERENCE: 249-262
; CURRENT APPLICATION NUMBER: US/10/156,761
; CURRENT FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: JP 2001-204089
; PRIOR FILING DATE: 2001-05-30
; PRIOR APPLICATION NUMBER: JP 2001-272697
; PRIOR FILING DATE: 2001-08-02
; NUMBER OF SEQ ID NOS: 15109
; SEQ ID NO 7696
; LENGTH: 727
; TYPE: PRT
; ORGANISM: Streptomyces avermitilis
US-10-156-761-7696

Query Match          37.5%; Score 6; DB 4; Length 727;
Best Local Similarity 100.0%; Pred. No. 6.1e+02;
```

```
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 SLPKSE 7
Db 94 SLPKSE 99

RESULT 70
US-10-425-114-59903
; Sequence 59903, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E.
; APPLICANT: Tabaska, Jack E.
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 59903
; LENGTH: 739
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB3689-207-B7_FLI pep
US-10-425-114-59903

Query Match 37.5%; Score 6; DB 4; Length 739;
Best Local Similarity 100.0%; Pred. No. 6.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 SLPKSE 7
Db 286 SLPKSE 291

RESULT 71
US-10-784-986-4
; Sequence 4, Application US/10784986
; Publication No. US20040229311A1
; GENERAL INFORMATION:
; APPLICANT: HIRANO, Seiko
; APPLICANT: YASUEDA, Hisashi
; TITLE OF INVENTION: Novel lysine decarboxylase gene and method for
; FILE REFERENCE: US-109
; CURRENT APPLICATION NUMBER: US/10/784,986
; CURRENT FILING DATE: 2004-02-25
; PRIOR APPLICATION NUMBER: JP 2003-47185
; PRIOR FILING DATE: 2003-02-25
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 748
; TYPE: PRT
; ORGANISM: Methylophilus methylotrophus
US-10-784-986-4

Query Match 37.5%; Score 6; DB 5; Length 748;
Best Local Similarity 100.0%; Pred. No. 6.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 4 PKSEFA 9
Db 293 PKSEFA 298

RESULT 72
US-10-072-012-564
; Sequence 564, Application US/10072012
; Publication No. US20040033493A1
; GENERAL INFORMATION:
; APPLICANT: Tchernev, Velizar
; APPLICANT: Spytek, Kimberly
; APPLICANT: Zerhusen, Bryan
; APPLICANT: Patturajan, Meera
; APPLICANT: Shinkets, Richard
; APPLICANT: Li, Li
; APPLICANT: Gangolli, Esha
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Anderson, David W.
; APPLICANT: Rastelli, Luca E.
; APPLICANT: Miller, Charles E.
; APPLICANT: Gerlach, Valerie
; APPLICANT: Taupier Jr, Raymond J.
; APPLICANT: Gusev, Vladimir Y.
; APPLICANT: Colman, Steven D.
; APPLICANT: Wolenc, Adam R.
; APPLICANT: Pena, Carol E. A
; APPLICANT: Furtak, Katarzyna
; APPLICANT: Grosse, William M.
; APPLICANT: Alsbrook II, John P.
; APPLICANT: Lepley, Denise M.
; APPLICANT: Rieger, Daniel K.
; APPLICANT: Burgess, Catherine E.
; TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-258
; CURRENT APPLICATION NUMBER: US/10/072,012
; CURRENT FILING DATE: 2002-01-31
; PRIOR APPLICATION NUMBER: 60/265,102
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: 60/265,514
; PRIOR FILING DATE: 2001-01-31
; PRIOR APPLICATION NUMBER: 60/265,517
; PRIOR FILING DATE: 2001-01-31
; PRIOR APPLICATION NUMBER: 60/265,412
; PRIOR FILING DATE: 2001-01-31
; PRIOR APPLICATION NUMBER: 60/265,395
; PRIOR FILING DATE: 2001-01-31
; PRIOR APPLICATION NUMBER: 60/266,406
; PRIOR FILING DATE: 2001-02-02
; PRIOR APPLICATION NUMBER: 60/266,767
; PRIOR FILING DATE: 2001-02-05
; PRIOR APPLICATION NUMBER: 60/267,057
; PRIOR FILING DATE: 2001-02-07
; PRIOR APPLICATION NUMBER: 60/266,975
; PRIOR FILING DATE: 2001-02-07
; PRIOR APPLICATION NUMBER: 60/267,459
; PRIOR FILING DATE: 2001-02-08
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1391
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 564
; LENGTH: 779
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-072-012-564

Query Match 37.5%; Score 6; DB 4; Length 779;
Best Local Similarity 100.0%; Pred. No. 6.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 FAVPDL 13
Db 194 FAVPDL 199

RESULT 73
US-10-437-963-147335
; Sequence 147335, Application US/10437963
; Publication No. US20040123343A1
```

```
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 147335
; LENGTH: 782
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_47873C.1.pep
US-10-437-963-147335

Query Match          37.5%; Score 6; DB 4; Length 782;
Best Local Similarity 100.0%; Pred. No. 6.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 VPDLLEL 15
Db 631 VPDLLEL 636

RESULT 74
US-10-450-763-55449
; Sequence 55449, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 55449
; LENGTH: 861
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-450-763-55449

Query Match          37.5%; Score 6; DB 5; Length 861;
Best Local Similarity 100.0%; Pred. No. 7.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 SEFAVP 11
Db 850 SEFAVP 855

RESULT 75
US-10-450-763-60302
; Sequence 60302, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
```

```
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 60302
; LENGTH: 861
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-450-763-60302

Query Match          37.5%; Score 6; DB 5; Length 861;
Best Local Similarity 100.0%; Pred. No. 7.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 SEFAVP 11
Db 850 SEFAVP 855

RESULT 76
US-10-437-963-141086
; Sequence 141086, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 141086
; LENGTH: 862
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_42224C.1.pep
US-10-437-963-141086

Query Match          37.5%; Score 6; DB 4; Length 862;
Best Local Similarity 100.0%; Pred. No. 7.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YSLPKS 6
Db 506 YSLPKS 511

RESULT 77
US-10-369-493-3347
; Sequence 3347, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; FILE REFERENCE: PLANTS WITH IMPROVED PROPERTIES
```


; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 3347
; LENGTH: 930
; TYPE: PRT
; ORGANISM: Neurospora crassa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(930)
; OTHER INFORMATION: unsure at all Xaa locations
US-10-369-493-3347

Query Match 37.5%; Score 6; DB 4; Length 930;
Best Local Similarity 100.0%; Pred. No. 7.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 FAVPDL 13
Db 318 FAVPDL 323

RESULT 78

US-10-732-923-8659
; Sequence 8659, Application US/10732923
; Publication No. US20050108791A1
; GENERAL INFORMATION:
; APPLICANT: Edgerton, Michael D
; TITLE OF INVENTION: TRANSGENIC PLANTS WITH IMPROVED PHENOTYPES
; FILE REFERENCE: 38-15(52796)C
; CURRENT APPLICATION NUMBER: US/10/732,923
; CURRENT FILING DATE: 2003-12-10
; PRIOR APPLICATION NUMBER: 10/310,154
; PRIOR FILING DATE: 2002-12-04
; NUMBER OF SEQ ID NOS: 24149
; SEQ ID NO 8659
; LENGTH: 1111
; TYPE: PRT
; ORGANISM: Neurospora crassa
US-10-732-923-8659

Query Match 37.5%; Score 6; DB 5; Length 1111;
Best Local Similarity 100.0%; Pred. No. 8.9e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 SLPKSE 7
Db 381 SLPKSE 386

RESULT 79

US-10-282-122A-72153
; Sequence 72153, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A

; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 72153
; LENGTH: 1212
; TYPE: PRT
; ORGANISM: Streptococcus mutans
US-10-282-122A-72153

Query Match 37.5%; Score 6; DB 4; Length 1212;
Best Local Similarity 100.0%; Pred. No. 9.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 SLPKSE 7
Db 732 SLPKSE 737

RESULT 80

US-10-437-963-179481
; Sequence 179481, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 179481
; LENGTH: 1219
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(1219)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_7693C.1.pap
US-10-437-963-179481

Query Match 37.5%; Score 6; DB 4; Length 1219;
Best Local Similarity 100.0%; Pred. No. 9.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
QY      9 AVPDLE 14
      |||||
Db     1013 AVPDLE 1018

RESULT 81
US-10-437-963-125789
; Sequence 125789, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 125789
; LENGTH: 1352
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clones and Uses Thereof for Plant Improvement
US-10-437-963-125789

Query Match      37.5%; Score 6; DB 4; Length 1352;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      5 KSEFAV 10
      |||||
Db     691 KSEFAV 696

RESULT 82
US-11-097-143-261
; Sequence 261, Application US/11097143
; Publication No. US20050208558A1
; GENERAL INFORMATION:
; APPLICANT: Venter, J. Craig
; APPLICANT: et al.
; TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID
; FILE REFERENCE: DROSOPHILA GENES.
; CURRENT APPLICATION NUMBER: US/11/097,143
; CURRENT FILING DATE: 2005-04-04
; PRIOR FILING DATE: 2005-04-04
; PRIOR FILING DATE: 1999-10-05
; PRIOR FILING DATE: 1999-10-19
; PRIOR FILING DATE: 1999-10-28
; PRIOR FILING DATE: 1999-11-12
; PRIOR FILING DATE: 1999-12-28
; PRIOR FILING DATE: 2000-01-12
; PRIOR FILING DATE: 2000-02-24
; PRIOR FILING DATE: 2000-03-23
; NUMBER OF SEQ ID NOS: 43008
; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 261
; LENGTH: 1379
; TYPE: PRT
; ORGANISM: DROSOPHILA
US-11-097-143-261

Query Match      37.5%; Score 6; DB 6; Length 1379;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      11 PDLELP 16
      |||||
Db     1087 PDLELP 1092

RESULT 83
US-10-437-963-169968
; Sequence 169968, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 169968
; LENGTH: 1415
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)-(1415)
; OTHER INFORMATION: unsure at all Xaa locations
; OTHER INFORMATION: Clones and Uses Thereof for Plant Improvement
US-10-437-963-169968

Query Match      37.5%; Score 6; DB 4; Length 1415;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      9 AVPDLE 14
      |||||
Db     1213 AVPDLE 1218

RESULT 84
US-11-097-143-15168
; Sequence 15168, Application US/11097143
; Publication No. US20050208558A1
; GENERAL INFORMATION:
; APPLICANT: Venter, J. Craig
; APPLICANT: et al.
; TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID
; FILE REFERENCE: DROSOPHILA GENES.
; CURRENT APPLICATION NUMBER: US/11/097,143
; CURRENT FILING DATE: 2005-04-04
; PRIOR FILING DATE: 1999-10-05
; PRIOR FILING DATE: 1999-10-19
; PRIOR FILING DATE: 1999-10-28
; PRIOR FILING DATE: 2000-03-23
; NUMBER OF SEQ ID NOS: 43008
; SOFTWARE: FastSeq for Windows Version 4.0
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; PRIOR FILING DATE: 1999-10-28
; PRIOR APPLICATION NUMBER: 60/164,769
; PRIOR FILING DATE: 1999-11-12
; PRIOR APPLICATION NUMBER: 60/173,383
; PRIOR FILING DATE: 1999-12-28
; PRIOR APPLICATION NUMBER: 60/175,693
; PRIOR FILING DATE: 2000-01-12
; PRIOR APPLICATION NUMBER: 60/184,831
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: 60/191,637
; PRIOR FILING DATE: 2000-03-23
; NUMBER OF SEQ ID NOS: 43008
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15168
; LENGTH: 1487
; TYPE: PRT
; ORGANISM: DROSOPHILA
US-11-097-143-15168

Query Match      37.5%; Score 6; DB 6; Length 1487;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 YSLPKS 6
Db      1033 YSLPKS 1038

RESULT 85
US-10-732-923-18391
; Sequence 18391, Application US/10732923
; Publication No. US20050108791A1
; GENERAL INFORMATION:
; APPLICANT: Edgerton, Michael D
; TITLE OF INVENTION: TRANSGENIC PLANTS WITH IMPROVED PHENOTYPES
; FILE REFERENCE: 38-15(52796)C
; CURRENT APPLICATION NUMBER: US/10/732,923
; CURRENT FILING DATE: 2003-12-10
; PRIOR APPLICATION NUMBER: 10/310,154
; PRIOR FILING DATE: 2002-12-04
; NUMBER OF SEQ ID NOS: 24149
; SEQ ID NO 18391
; LENGTH: 1690
; TYPE: PRT
; ORGANISM: Schizosaccharomyces pombe
US-10-732-923-18391

Query Match      37.5%; Score 6; DB 5; Length 1690;
Best Local Similarity 100.0%; Pred. No. 1.3e+03;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      2 SLPKSE 7
Db      1575 SLPKSE 1580

RESULT 86
US-11-097-143-14691
; Sequence 14691, Application US/11097143
; Publication No. US20050208558A1
; GENERAL INFORMATION:
; APPLICANT: Venter, J. Craig
; APPLICANT: et al.
; TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID
; TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE
; TITLE OF INVENTION: DROSOPHILA GENES.
; FILE REFERENCE: CL000728
; CURRENT APPLICATION NUMBER: US/11/097,143
; CURRENT FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: 60/157,832
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: 60/160,191
; PRIOR FILING DATE: 1999-10-19

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; PRIOR APPLICATION NUMBER: 60/161,932
; PRIOR FILING DATE: 1999-10-28
; PRIOR APPLICATION NUMBER: 60/164,769
; PRIOR FILING DATE: 1999-11-12
; PRIOR APPLICATION NUMBER: 60/173,383
; PRIOR FILING DATE: 1999-12-28
; PRIOR APPLICATION NUMBER: 60/175,693
; PRIOR FILING DATE: 2000-01-12
; PRIOR APPLICATION NUMBER: 60/184,831
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: 60/191,637
; PRIOR FILING DATE: 2000-03-23
; NUMBER OF SEQ ID NOS: 43008
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14691
; LENGTH: 1953
; TYPE: PRT
; ORGANISM: DROSOPHILA
US-11-097-143-14691

Query Match      37.5%; Score 6; DB 6; Length 1953;
Best Local Similarity 100.0%; Pred. No. 1.5e+03;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      11 PDLELP 16
Db      507 PDLELP 512

RESULT 87
US-10-408-765A-2217
; Sequence 2217, Application US/10408765A
; Publication No. US20040101874A1
; GENERAL INFORMATION:
; APPLICANT: Ghosh, Soumitra S.
; APPLICANT: Fahy, Eoin D.
; APPLICANT: Zhang, Bing
; APPLICANT: Gibson, Bradford W.
; APPLICANT: Taylor, Steven W.
; APPLICANT: Glenn, Gary M.
; APPLICANT: Warnock, Dale E.
; TITLE OF INVENTION: TARGETS FOR THERAPEUTIC INTERVENTION
; TITLE OF INVENTION: IDENTIFIED IN THE MITOCHONDRIAL PROTEOME
; FILE REFERENCE: 660088.465
; CURRENT APPLICATION NUMBER: US/10/408,765A
; CURRENT FILING DATE: 2003-04-04
; NUMBER OF SEQ ID NOS: 3077
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2217
; LENGTH: 1966
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-408-765A-2217

Query Match      37.5%; Score 6; DB 4; Length 1966;
Best Local Similarity 100.0%; Pred. No. 1.5e+03;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      7 EFAVPD 12
Db      37 EFAVPD 42

RESULT 88
US-10-437-963-115576
; Sequence 115576, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei

```

; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(5322)1B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 115576
; LENGTH: 2070
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_1915C.1.pep
US-10-437-963-115576

Query Match 37.5%; Score 6; DB 4; Length 2070;
Best Local Similarity 100.0%; Pred. No. 1.5e+03;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 5 KSEFAV 10
Db 878 KSEFAV 883
|||||

RESULT 89
US-11-097-143-15276
; Sequence 15276, Application US/11097143
; Publication No. US20050208558A1
; GENERAL INFORMATION:
; APPLICANT: Venter, J. Craig
; APPLICANT: et al.
; TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID
; TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE
; TITLE OF INVENTION: DROSOPHILA GENES.
; FILE REFERENCE: CL000728
; CURRENT APPLICATION NUMBER: US/11/097,143
; CURRENT FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: 60/157,832
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: 60/160,191
; PRIOR FILING DATE: 1999-10-19
; PRIOR APPLICATION NUMBER: 60/161,932
; PRIOR FILING DATE: 1999-10-28
; PRIOR APPLICATION NUMBER: 60/164,769
; PRIOR FILING DATE: 1999-11-12
; PRIOR APPLICATION NUMBER: 60/173,383
; PRIOR FILING DATE: 1999-12-28
; PRIOR APPLICATION NUMBER: 60/175,693
; PRIOR FILING DATE: 2000-01-12
; PRIOR APPLICATION NUMBER: 60/184,831
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: 60/191,637
; PRIOR FILING DATE: 2000-03-23
; NUMBER OF SEQ ID NOS: 43008
; SOFTWARE: Fast-SEQ for Windows Version 4.0
; SEQ ID NO 15276
; LENGTH: 2129
; TYPE: PRT
; ORGANISM: DROSOPHILA

Query Match 37.5%; Score 6; DB 6; Length 2129;
Best Local Similarity 100.0%; Pred. No. 1.6e+03;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 SEFAVP 11
Db 27 SEFAVP 32
|||||

RESULT 90

US-09-995-542-10
; Sequence 10, Application US/09995542
; Patent No. US20020127647A1
; GENERAL INFORMATION:
; APPLICANT: Shutter, John
; APPLICANT: Ulias, Laarni
; TITLE OF INVENTION: ATP-Binding Cassette Transporter-Like Molecules and
; TITLE OF INVENTION: Uses Thereof
; FILE REFERENCE: 00-658-A
; CURRENT APPLICATION NUMBER: US/09/995,542
; CURRENT FILING DATE: 2001-11-28
; PRIOR APPLICATION NUMBER: 60/253,520
; PRIOR FILING DATE: 2000-11-28
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10
; LENGTH: 2310
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-995-542-10

Query Match 37.5%; Score 6; DB 3; Length 2310;
Best Local Similarity 100.0%; Pred. No. 1.7e+03;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 VPDLEL 15
Db 195 VPDLEL 200
|||||

RESULT 91
US-10-341-434-236
; Sequence 236, Application US/10341434
; Publication No. US20030215835A1
; GENERAL INFORMATION:
; APPLICANT: Origene Technologies
; TITLE OF INVENTION: Differentially Regulated Prostate Cancer Genes
; FILE REFERENCE: 9U 204 205 R1
; CURRENT APPLICATION NUMBER: US/10/341,434
; CURRENT FILING DATE: 2003-07-18
; PRIOR APPLICATION NUMBER: US 60/348,164
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: US 60/348,119
; PRIOR FILING DATE: 2002-01-15
; NUMBER OF SEQ ID NOS: 238
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 236
; LENGTH: 2440
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-341-434-236

Query Match 37.5%; Score 6; DB 4; Length 2440;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 EFAVPD 12
Db 37 EFAVPD 42
|||||

RESULT 92
US-10-885-977-35
; Sequence 35, Application US/10885977
; Publication No. US20050136429A1
; GENERAL INFORMATION:
; APPLICANT: Guarente, Leonard P.
; APPLICANT: Picard, Frederic
; TITLE OF INVENTION: SIRT1 MODULATION OF ADIPOGENESIS AND
; TITLE OF INVENTION: ADIPOSE FUNCTION
; FILE REFERENCE: 13407-058001
; CURRENT APPLICATION NUMBER: US/10/885,977
; CURRENT FILING DATE: 2004-07-06

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; PRIOR APPLICATION NUMBER: US 60/484,836
; PRIOR FILING DATE: 2003-07-03
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 35
; LENGTH: 2440
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-885-977-35

Query Match      37.5%; Score 6; DB 5; Length 2440;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 EFAVPD 12
Db 37 EFAVPD 42

RESULT 93
US-10-745-237-222
; Sequence 222, Application US/10745237
; Publication No. US20050227301A1
; GENERAL INFORMATION:
; APPLICANT: Cyclacel Limited
; APPLICANT: Glover, David
; APPLICANT: Bell, Graham
; APPLICANT: Frenz, Lisa
; APPLICANT: Midgley, Carol
; TITLE OF INVENTION: Cell Cycle Progression Proteins
; FILE REFERENCE: P015819WO CYK
; CURRENT APPLICATION NUMBER: US/10/745,237
; CURRENT FILING DATE: 2003-12-23
; PRIOR APPLICATION NUMBER: US 60/439,123
; PRIOR FILING DATE: 2003-01-10
; PRIOR APPLICATION NUMBER: US 60/468,402
; PRIOR FILING DATE: 2003-05-06
; NUMBER OF SEQ ID NOS: 600
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 222
; LENGTH: 2440
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: 075376
US-10-745-237-222

Query Match      37.5%; Score 6; DB 5; Length 2440;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 EFAVPD 12
Db 37 EFAVPD 42

RESULT 94
US-10-392-113-42
; Sequence 42, Application US/10392113
; Publication No. US20030224993A1
; GENERAL INFORMATION:
; APPLICANT: Land, Hartmut
; APPLICANT: Deleu, Laurent
; TITLE OF INVENTION: COMPOSITIONS THAT INHIBIT PROLIFERATION
; FILE REFERENCE: 21108.0005U3
; CURRENT APPLICATION NUMBER: US/10/392,113
; CURRENT FILING DATE: 2003-03-17
; PRIOR APPLICATION NUMBER: 60/365,078
; PRIOR FILING DATE: 2002-03-15
; PRIOR APPLICATION NUMBER: PCT/US01/32127
; PRIOR FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: 60/239,705

; PRIOR APPLICATION NUMBER: US 60/484,836
; PRIOR FILING DATE: 2003-07-03
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 35
; LENGTH: 2440
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-885-977-35

Query Match      37.5%; Score 6; DB 4; Length 3418;
Best Local Similarity 100.0%; Pred. No. 2.4e+03;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 SLPKSE 7
Db 451 SLPKSE 456

RESULT 95
US-10-634-574-1
; Sequence 1, Application US/10634574
; Publication No. US20040072268A1
; GENERAL INFORMATION:
; APPLICANT: The Wistar Institute
; APPLICANT: Ramin Shiekhattar
; TITLE OF INVENTION: METHODS FOR REGULATING BRCA1-BRCA2-CONTAINING COMPLEX ACTIVITY
; FILE REFERENCE: WSTR-00148
; CURRENT APPLICATION NUMBER: US/10/634,574
; CURRENT FILING DATE: 2003-08-05
; PRIOR APPLICATION NUMBER: US 60/401,433
; PRIOR FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: US 60/449,950
; PRIOR FILING DATE: 2003-02-24
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 3418
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-634-574-1

Query Match      37.5%; Score 6; DB 4; Length 3418;
Best Local Similarity 100.0%; Pred. No. 2.4e+03;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 SLPKSE 7
Db 451 SLPKSE 456

RESULT 96
US-10-408-765A-178
; Sequence 178, Application US/10408765A
; Publication No. US20040101874A1
; GENERAL INFORMATION:
; APPLICANT: Ghosh, Soumitra S.
; APPLICANT: Fahy, Eoin D.
; APPLICANT: Zhang, Bing
; APPLICANT: Gibson, Bradford W.
; APPLICANT: Taylor, Steven W.
; APPLICANT: Glenn, Gary M.
; APPLICANT: Warnock, Dale E.
; TITLE OF INVENTION: TARGETS FOR THERAPEUTIC INTERVENTION
; FILE REFERENCE: 660088.465
; CURRENT APPLICATION NUMBER: US/10/408,765A
; CURRENT FILING DATE: 2003-04-04
; NUMBER OF SEQ ID NOS: 3077
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 178
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; LENGTH: 3418
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 718, 2261
; OTHER INFORMATION: Xaa = Any Amino Acid
US-10-408-765A-178

Query Match          37.5%; Score 6; DB 4; Length 3418;
Best Local Similarity 100.0%; Pred. No. 2.4e+03;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      2 SLPKSE 7
Db      451 SLPKSE 456

RESULT 97
US-10-450-763-53776
; Sequence 53776, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 53776
; LENGTH: 3423
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (3366)..(3376)
; OTHER INFORMATION: GLYCOSYL HYDROLASE FAMILY 11 SIGNATURE domain identified by
; OTHER INFORMATION: eMATRIX, accession number PR00911E, p-value=8.244e-10, raw score
; OTHER INFORMATION: 10.85
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (1006)..(2089)
; OTHER INFORMATION: BRCA2 repeat domain identified by Pfam, accession name
; OTHER INFORMATION: BRCA2_repeat, E-value=4.7e-126, Pfam score of 432.2
US-10-450-763-53776

Query Match          37.5%; Score 6; DB 5; Length 3423;
Best Local Similarity 100.0%; Pred. No. 2.4e+03;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      2 SLPKSE 7
Db      453 SLPKSE 458

RESULT 98
US-10-930-300-156
; Sequence 156, Application US/10930300
; Publication No. US2005004138A1
; GENERAL INFORMATION:
; APPLICANT: Rath, Matthias
; TITLE OF INVENTION: METHOD OF PRODUCING VACCINES FROM PROTEIN SIGNAL
; OLIGOPEPTIDES
; NUMBER OF SEQUENCES: 360
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INHOUSE IP MANAGEMENT
```

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; STREET: 280 Colorado Avenue
; CITY: Palo Alto
; STATE: California
; COUNTRY: USA
; ZIP: 94301
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy Disk, 3.50 inch, 1.44MB Storage
; COMPUTER: IBM PC COMPATIBLE
; OPERATING SYSTEM: WINDOWS 95
; SOFTWARE: MS WORD 6.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/930,300
; FILING DATE: 30-Aug-2004
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/182,248
; FILING DATE: 14-JAN-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: ALI KAWAREI
; REGISTRATION NUMBER: 37000
; REFERENCE/DOCKET NUMBER: 10262-IUS
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-322-7371
; TELEFAX: 650-322-7389
; INFORMATION FOR SEQ ID NO: 156:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 9
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 156:
US-10-930-300-156

Query Match          31.2%; Score 5; DB 5; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.7e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 DLELP 16
Db      2 DLELP 6

RESULT 99
US-09-572-270A-108
; Sequence 108, Application US/09572270A
; Publication No. US20030148368A1
; GENERAL INFORMATION:
; APPLICANT: Proteom Ltd
; TITLE OF INVENTION: Inter- complementary peptide listing
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/09/572,270A
; CURRENT FILING DATE: 2000-05-17
; NUMBER OF SEQ ID NOS: 1144
; SOFTWARE: Protpatent version 1.0
; SEQ ID NO 108
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Arabidopsis Thaliana
; OTHER INFORMATION: Sequence located in Unknown at 175-184 and may interact with
US-09-572-270A-108

Query Match          31.2%; Score 5; DB 3; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 YSLPK 5
Db      2 YSLPK 6

RESULT 100
US-10-948-707-1255
; Sequence 1255, Application US/10948707
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```
; Publication No. US20050187147A1
; GENERAL INFORMATION:
; APPLICANT: Ballatore, Carlo
; APPLICANT: Castellino, Angelo
; APPLICANT: Desharnais, Joel
; APPLICANT: Guo, Zijian
; APPLICANT: Li, Qing
; APPLICANT: Newman, Michael James
; APPLICANT: Sun, Chengzao
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR INCREASING
; TITLE OF INVENTION: DRUG EFFICIENCY
; FILE REFERENCE: 17967-003001
; CURRENT APPLICATION NUMBER: US/10/948,707
; PRIOR FILING DATE: 2004-09-22
; PRIOR APPLICATION NUMBER: 60/505,325
; PRIOR FILING DATE: 2003-09-22
; PRIOR APPLICATION NUMBER: 60/568,340
; PRIOR FILING DATE: 2004-05-04
; PRIOR APPLICATION NUMBER: 60/581,835
; PRIOR FILING DATE: 2004-06-22
; NUMBER OF SEQ ID NOS: 1422
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1255
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-10-948-707-1255
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Query Match      31.2%; Score 5; DB 5; Length 13;
Best Local Similarity 100.0%; Pred.No. 1.9e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      12 DLELP 16
Db      2 DLELP 6
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Job time : 23.0533 secs
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OM protein - protein search, using sw model

Run on: February 15, 2006, 09:52:55 ; Search time 1.84889 Seconds
(without alignments)
122.986 Million cell updates/sec

Title: US-10-030-937-72

Perfect score: 16

Sequence: 1 YSLPKSEFAVPDLELP 16

Scoring table:

Gapop 60.0 , Gapext 60.0

Searched: 107799 seqs, 14211699 residues

Word size : 0

Total number of hits satisfying chosen parameters: 107799

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 150 summaries

Database : Published Applications AA New:*

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- 2: /cgm2_6/ptodata/2/pubpaa/US06 NEW PUB.pep.*
- 3: /cgm2_6/ptodata/2/pubpaa/US07 NEW PUB.pep.*
- 4: /cgm2_6/ptodata/2/pubpaa/PCT NEW PUB.pep.*
- 5: /cgm2_6/ptodata/2/pubpaa/US05 NEW PUB.pep.*
- 6: /cgm2_6/ptodata/2/pubpaa/US10 NEW PUB.pep.*
- 7: /cgm2_6/ptodata/2/pubpaa/US11 NEW PUB.pep.*
- 8: /cgm2_6/ptodata/2/pubpaa/US60 NEW PUB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Query Match | Score | Length | ID | Description |
|------------|-------------|-------|--------|----|--------------------|
| 1 | 8 | 50.0 | 201 | 6 | US-10-821-234-1162 |
| 2 | 6 | 37.5 | 216 | 7 | US-11-186-284-217 |
| 3 | 6 | 37.5 | 216 | 7 | US-11-169-041-210 |
| 4 | 6 | 37.5 | 251 | 7 | US-11-186-284-220 |
| 5 | 6 | 37.5 | 267 | 7 | US-11-186-284-215 |
| 6 | 6 | 37.5 | 302 | 7 | US-11-024-959-387 |
| 7 | 6 | 37.5 | 302 | 7 | US-11-024-959-388 |
| 8 | 6 | 37.5 | 302 | 7 | US-11-024-959-389 |
| 9 | 6 | 37.5 | 330 | 7 | US-11-152-892-10 |
| 10 | 5 | 31.2 | 104 | 6 | US-10-834-397-168 |
| 11 | 5 | 31.2 | 111 | 6 | US-10-821-234-1442 |
| 12 | 5 | 31.2 | 111 | 6 | US-10-821-234-1547 |
| 13 | 5 | 31.2 | 113 | 7 | US-11-072-512-2080 |
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| 458 | 31.2 | 5 | 44 | 6 | US-10-454-437-124 | Sequence 124, App |
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118 4 25.0 17 7 US-11-054-515-3203 Sequence 3203, Ap
119 4 25.0 19 6 US-10-503-575-186 Sequence 186, App
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121 4 25.0 20 6 US-10-485-788A-589 Sequence 589, App
122 4 25.0 21 6 US-10-467-657-9148 Sequence 9148, Ap
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124 4 25.0 25 7 US-11-169-111-6 Sequence 6, Appli
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145 4 25.0 55 6 US-10-467-657-7140 Sequence 7140, Ap
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ALIGNMENTS

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US-10-821-234-1162
; Sequence 1162, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT FILING DATE: 2004-04-07
; CURRENT APPLICATION NUMBER: US/10/821,234
; PRIOR FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; NUMBER OF SEQ ID NOS: 1704
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; SOFTWARE: pt_SEQ_genes Version 1.0
; SEQ ID NO 1162
; LENGTH: 201
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-821-234-1162

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Best Local Similarity 100.0%; Pred. No. 0.074;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSLPKSEF 8
Db 153 YSLPKSEF 160

RESULT 2
US-11-186-284-217
; Sequence 217, Application US/11186284
; Publication No. US20050266493A1
; GENERAL INFORMATION:
; APPLICANT: Millennium Pharmaceuticals, Inc.
; APPLICANT: Berger, Allison
; APPLICANT: Guillemette, Tracy L.
; APPLICANT: Kamatkar, Shubhangi
; APPLICANT: Schlegel, Robert
; APPLICANT: Monahan, John E.
; APPLICANT: Thibodeau, Stephen N.
; APPLICANT: Burgart, Lawrence J.
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND
; TITLE OF INVENTION: METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; FILE REFERENCE: MPM01-029P2RNM
; CURRENT APPLICATION NUMBER: US/11/186,284
; CURRENT FILING DATE: 2005-07-21
; PRIOR APPLICATION NUMBER: US/10/301,822
; PRIOR FILING DATE: 2002-11-21
; PRIOR APPLICATION NUMBER: US 60/339,971
; PRIOR FILING DATE: 2001-12-10
; PRIOR APPLICATION NUMBER: US 60/361,978
; PRIOR FILING DATE: 2002-03-05
; PRIOR APPLICATION NUMBER: US 60/381,988
; PRIOR FILING DATE: 2002-05-20
; NUMBER OF SEQ ID NOS: 228
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 217
; LENGTH: 216
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-11-186-284-217

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Best Local Similarity 100.0%; Pred. No. 9.6;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 VPDLEL 15
Db 103 VPDLEL 108

RESULT 3
US-11-169-041-210
; Sequence 210, Application US/11169041
; Publication No. US20060019284A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: IDENTIFICATION OF POLYNUCLEOTIDES FOR PREDICTING ACTIVITY OF
; TITLE OF INVENTION: COMPOUNDS THAT INTERACT WITH AND/OR MODULATE PROTEIN TYROSINE
; TITLE OF INVENTION: KINASES AND/OR PROTEIN TYROSINE KINASE PATHWAYS IN LUNG CANCER
; TITLE OF INVENTION: CELLS
; FILE REFERENCE: 10001 NP
; CURRENT APPLICATION NUMBER: US/11/169,041
; CURRENT FILING DATE: 2005-06-28
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; PRIOR APPLICATION NUMBER: 60/584,405
; PRIOR FILING DATE: 2004-06-30
; NUMBER OF SEQ ID NOS: 527
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 210
; LENGTH: 216
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-169-041-210

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Best Local Similarity 100.0%; Pred. No. 9.6;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 VPDLLEL 15
Db      103 VPDLLEL 108

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US-11-186-284-220
; Sequence 220, Application US/11186284
; Publication No. US20050266493A1
; GENERAL INFORMATION:
; APPLICANT: Millennium Pharmaceuticals, Inc.
; APPLICANT: Berger, Allison
; APPLICANT: Guillemette, Tracy L.
; APPLICANT: Kamatkar, Shubhangi
; APPLICANT: Schlegel, Robert
; APPLICANT: Monahan, John E.
; APPLICANT: Thibodeau, Stephen N.
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND
; TITLE OF INVENTION: METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; FILE REFERENCE: MEM01-029P2RNM
; CURRENT APPLICATION NUMBER: US/11/186,284
; CURRENT FILING DATE: 2005-07-21
; PRIOR FILING DATE: 2002-11-21
; PRIOR APPLICATION NUMBER: US 60/339,971
; PRIOR FILING DATE: 2001-12-10
; PRIOR APPLICATION NUMBER: US 60/361,978
; PRIOR FILING DATE: 2002-03-05
; PRIOR APPLICATION NUMBER: US 60/381,988
; PRIOR FILING DATE: 2002-05-20
; NUMBER OF SEQ ID NOS: 228
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 215
; LENGTH: 267
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-11-186-284-215

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Best Local Similarity 100.0%; Pred. No. 12;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 VPDLLEL 15
Db      103 VPDLLEL 108

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US-11-024-959-387
; Sequence 387, Application US/11024959
; Publication No. US20060010516A1
; GENERAL INFORMATION:
; APPLICANT: FORSTER, RICHARD L.
; APPLICANT: CONNETT, MARIE B.
; APPLICANT: EMERSON, SARAH JANE
; APPLICANT: GRIGOR, MURRAY ROBERT
; APPLICANT: HIGGINS, COLLEEN M.
; APPLICANT: LUND, STEVEN TROY
; APPLICANT: MAGUSIN, ANDREAS
; APPLICANT: KODRZYCKI, BOB
; TITLE OF INVENTION: CELL CYCLE GENES AND RELATED METHODS
; FILE REFERENCE: 044463-0360
; CURRENT APPLICATION NUMBER: US/11/024,959
; CURRENT FILING DATE: 2004-12-30
; PRIOR FILING DATE: 2004-12-30
; PRIOR APPLICATION NUMBER: 60/533,036
; PRIOR FILING DATE: 2003-12-30
; NUMBER OF SEQ ID NOS: 782
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 387
; LENGTH: 302
; TYPE: PRT
; ORGANISM: Pinus radiata
US-11-024-959-387

Query Match      37.5%; Score 6; DB 7; Length 302;
Best Local Similarity 100.0%; Pred. No. 13;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      9 AVPDLE 14
Db      259 AVPDLE 264

RESULT 7
US-11-024-959-388
; Sequence 388, Application US/11024959
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; Publication No. US20060010516A1
; GENERAL INFORMATION:
; APPLICANT: FORSTER, RICHARD L.
; APPLICANT: CONNETT, MARIE B.
; APPLICANT: EMERSON, SARAH JANE
; APPLICANT: GRIGOR, MURRAY ROBERT
; APPLICANT: HIGGINS, COLLEEN M.
; APPLICANT: LUND, STEVEN TROY
; APPLICANT: MAGUSIN, ANDREAS
; APPLICANT: KODRZYCKI, BOB
; TITLE OF INVENTION: CELL CYCLE GENES AND RELATED METHODS
; CURRENT APPLICATION NUMBER: US/11/024,959
; CURRENT FILING DATE: 2004-12-30
; PRIOR APPLICATION NUMBER: 60/533,036
; PRIOR FILING DATE: 2003-12-30
; NUMBER OF SEQ ID NOS: 782
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 388
; LENGTH: 302
; TYPE: PRT
; ORGANISM: Pinus radiata
US-11-024-959-388

Query Match 37.5%; Score 6; DB 7; Length 302;
Best Local Similarity 100.0%; Pred. No. 13;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 AVPDLE 14
Db 259 AVPDLE 264

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US-11-024-959-389
; Sequence 389, Application US/11024959
; Publication No. US20060010516A1
; GENERAL INFORMATION:
; APPLICANT: FORSTER, RICHARD L.
; APPLICANT: CONNETT, MARIE B.
; APPLICANT: EMERSON, SARAH JANE
; APPLICANT: GRIGOR, MURRAY ROBERT
; APPLICANT: HIGGINS, COLLEEN M.
; APPLICANT: LUND, STEVEN TROY
; APPLICANT: MAGUSIN, ANDREAS
; APPLICANT: KODRZYCKI, BOB
; TITLE OF INVENTION: CELL CYCLE GENES AND RELATED METHODS
; FILE REFERENCE: 04463-0360
; CURRENT APPLICATION NUMBER: US/11/024,959
; CURRENT FILING DATE: 2004-12-30
; PRIOR APPLICATION NUMBER: 60/533,036
; PRIOR FILING DATE: 2003-12-30
; NUMBER OF SEQ ID NOS: 782
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 389
; LENGTH: 302
; TYPE: PRT
; ORGANISM: Pinus radiata
US-11-024-959-389

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Best Local Similarity 100.0%; Pred. No. 13;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 AVPDLE 14
Db 259 AVPDLE 264

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US-11-152-892-10
; Sequence 10, Application US/11152892
; Publication No. US20050251883A1

; GENERAL INFORMATION:
; APPLICANT: Amasino, Richard M.
; APPLICANT: Schomburg, Fritz M.
; APPLICANT: Michaelis, Scott D.
; APPLICANT: Bizzell, Colleen M.
; TITLE OF INVENTION: Dwarfism Genes and Dwarf Plants
; FILE REFERENCE: 960296.97605
; CURRENT APPLICATION NUMBER: US/11/152,892
; CURRENT FILING DATE: 2005-06-15
; PRIOR APPLICATION NUMBER: US/10/155,435
; PRIOR FILING DATE: 2002-05-23
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 10
; LENGTH: 330
; TYPE: PRT
; ORGANISM: Arabidopsis
US-11-152-892-10

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Best Local Similarity 100.0%; Pred. No. 14;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 SLPKSE 7
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RESULT 10
US-10-834-397-168
; Sequence 168, Application US/10834397
; Publication No. US2006000334A1
; GENERAL INFORMATION:
; APPLICANT: Knappik, Achim
; Pack, Peter
; Illeg, Vic
; Ge, Liming
; Moroney, Simon
; Plueckthun, Andreas
; TITLE OF INVENTION: Protein/(Poly)peptide libraries
; NUMBER OF SEQUENCES: 373
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: James F. Haley, Jr., Esq. c/o Fish & Neave
; STREET: 1251 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10021
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/834,397
; FILING DATE: 29-Apr-2004
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/490,324
; FILING DATE: 24-Jan-2000
; APPLICATION NUMBER: US/09/025,769
; FILING DATE: 18-FEB-1998
; APPLICATION NUMBER: EP 95 11 3021.0
; FILING DATE: 18-AUG-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: James F. Haley, Jr., Esq.
; REGISTRATION NUMBER: 27,794
; REFERENCE/DOCKET NUMBER: MORPHO/S
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 596-9000
; TELEFAX: (212) 596-9090
; INFORMATION FOR SEQ ID NO: 168:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 104 amino acids

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;
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 168:
US-10-834-397-168

Query Match          31.2%; Score 5; DB 6; Length 104;
Best Local Similarity 100.0%; Pred. No. 53;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      4 PKSEF 8
Db      100 PKSEF 104

RESULT 11
US-10-821-234-1442
; Sequence 1442, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pt_seq_genes Version 1.0
; SEQ ID NO 1442
; LENGTH: 111
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-821-234-1442

Query Match          31.2%; Score 5; DB 6; Length 111;
Best Local Similarity 100.0%; Pred. No. 57;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 VPDL 14
Db      63 VPDL 67

RESULT 12
US-10-821-234-1547
; Sequence 1547, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pt_seq_genes Version 1.0
; SEQ ID NO 1547
; LENGTH: 111
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-821-234-1547

Query Match          31.2%; Score 5; DB 6; Length 111;
Best Local Similarity 100.0%; Pred. No. 57;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 VPDL 14
Db      63 VPDL 67

RESULT 13
US-11-072-512-2080
; Sequence 2080, Application US/11072512
; Publication No. US20060029945A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUUKO
; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAOHICO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTYUKI
; APPLICANT: MASUHO, YASUHIKO
; APPLICANT: NAGAHARI, KENJI
; TITLE OF INVENTION: Novel full length cdNA
; FILE REFERENCE: 084335-0191
; CURRENT APPLICATION NUMBER: US/11/072,512
; CURRENT FILING DATE: 2005-03-07
; PRIOR APPLICATION NUMBER: US 60/350,978
; PRIOR FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: JP 2001-379298
; PRIOR FILING DATE: 2001-11-05
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 2080
; LENGTH: 113
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-072-512-2080

Query Match          31.2%; Score 5; DB 7; Length 113;
Best Local Similarity 100.0%; Pred. No. 58;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      2 SLPKS 6
Db      105 SLPKS 109

RESULT 14
US-11-072-512-3879
; Sequence 3879, Application US/11072512
; Publication No. US20060029945A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUUKO
; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAOHICO
```

; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTOKUJI
; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: Novel full length cdNA
; FILE REFERENCE: 084335-0191
; CURRENT APPLICATION NUMBER: US/11/072,512
; CURRENT FILING DATE: 2005-03-07
; PRIOR APPLICATION NUMBER: US 60/350,978
; PRIOR FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: JP 2001-379298
; PRIOR FILING DATE: 2001-11-05
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn ver. 2.1
; SEQ ID NO 3879
; LENGTH: 121
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-072-512-3879

Query Match 31.2%; Score 5; DB 7; Length 121;
Best Local Similarity 100.0%; Pred. No. 61;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 DLELP 16
Db 28 DLELP 32

RESULT 15

US-11-166-288-2
; Sequence 2, Application US/11166288
; Publication No. US20050266528A1
; GENERAL INFORMATION:
; APPLICANT: Laemmle, Bernhard
; APPLICANT: Schwarz, Hans-Peter
; APPLICANT: Scheiflinger, Friedrich
; APPLICANT: Antoine, Gerhard
; APPLICANT: Kerschbaumer, Randolph
; APPLICANT: Tagliavacca, Luigina
; APPLICANT: Zimmermann, Klaus
; APPLICANT: Furlan, Miha
; APPLICANT: Turecek, Peter
; APPLICANT: Gerritsen, Helena E.
; TITLE OF INVENTION: Composition Exhibiting a von Willebrand Factor (vWF) Protease Act
; FILE REFERENCE: 247.00CIP
; CURRENT APPLICATION NUMBER: US/11/166,288
; CURRENT FILING DATE: 2005-06-23
; PRIOR APPLICATION NUMBER: US/09/833,328
; PRIOR FILING DATE: 2001-04-12
; PRIOR APPLICATION NUMBER: 09/721,254
; PRIOR FILING DATE: 2000-11-22
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 133
; TYPE: PRT
; ORGANISM: human
US-11-166-288-2

Query Match 31.2%; Score 5; DB 7; Length 133;
Best Local Similarity 100.0%; Pred. No. 67;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 DLELP 16
Db 93 DLELP 97

RESULT 16

US-11-166-288-15
; Sequence 15, Application US/11166288

; Publication No. US20050266528A1
; GENERAL INFORMATION:
; APPLICANT: Laemmle, Bernhard
; APPLICANT: Schwarz, Hans-Peter
; APPLICANT: Scheiflinger, Friedrich
; APPLICANT: Antoine, Gerhard
; APPLICANT: Kerschbaumer, Randolph
; APPLICANT: Tagliavacca, Luigina
; APPLICANT: Zimmermann, Klaus
; APPLICANT: Furlan, Miha
; APPLICANT: Turecek, Peter
; APPLICANT: Gerritsen, Helena E.
; TITLE OF INVENTION: Composition Exhibiting a von Willebrand Factor (vWF) Protease Act;
; FILE REFERENCE: 247.00CIP
; CURRENT APPLICATION NUMBER: US/11/166,288
; CURRENT FILING DATE: 2005-06-23
; PRIOR APPLICATION NUMBER: US/09/833,328
; PRIOR FILING DATE: 2001-04-12
; PRIOR APPLICATION NUMBER: 09/721,254
; PRIOR FILING DATE: 2000-11-22
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 15
; LENGTH: 136
; TYPE: PRT
; ORGANISM: human
US-11-166-288-15

Query Match 31.2%; Score 5; DB 7; Length 136;
Best Local Similarity 100.0%; Pred. No. 69;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 DLELP 16
Db 96 DLELP 100

RESULT 17

US-11-166-288-4
; Sequence 4, Application US/11166288
; Publication No. US20050266528A1
; GENERAL INFORMATION:
; APPLICANT: Laemmle, Bernhard
; APPLICANT: Schwarz, Hans-Peter
; APPLICANT: Scheiflinger, Friedrich
; APPLICANT: Antoine, Gerhard
; APPLICANT: Kerschbaumer, Randolph
; APPLICANT: Tagliavacca, Luigina
; APPLICANT: Zimmermann, Klaus
; APPLICANT: Furlan, Miha
; APPLICANT: Turecek, Peter
; APPLICANT: Gerritsen, Helena E.
; TITLE OF INVENTION: Composition Exhibiting a von Willebrand Factor (vWF) Protease Act;
; FILE REFERENCE: 247.00CIP
; CURRENT APPLICATION NUMBER: US/11/166,288
; CURRENT FILING DATE: 2005-06-23
; PRIOR APPLICATION NUMBER: US/09/833,328
; PRIOR FILING DATE: 2001-04-12
; PRIOR APPLICATION NUMBER: 09/721,254
; PRIOR FILING DATE: 2000-11-22
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 148
; TYPE: PRT
; ORGANISM: human
US-11-166-288-4

Query Match 31.2%; Score 5; DB 7; Length 148;
Best Local Similarity 100.0%; Pred. No. 74;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      12 DLELP 16
        |||||
Db      108 DLELP 112

RESULT 18
US-11-166-288-6
; Sequence 6, Application US/11166288
; Publication No. US20050266528A1
; GENERAL INFORMATION:
; APPLICANT: Laemmle, Bernhard
; APPLICANT: Schwarz, Hans-Peter
; APPLICANT: Scheiflinger, Friedrich
; APPLICANT: Antoine, Gerhard
; APPLICANT: Kerschbaumer, Randolph
; APPLICANT: Tagliavacca, Luigina
; APPLICANT: Zimmermann, Klaus
; APPLICANT: Furlan, Miha
; APPLICANT: Turecek, Peter
; APPLICANT: Gerritsen, Helena E.
; TITLE OF INVENTION: Composition Exhibiting a von Willebrand Factor (vWF) Protease Acti
; FILE REFERENCE: 247.00CIP
; CURRENT APPLICATION NUMBER: US/11/166.288
; PRIOR FILING DATE: 2005-06-23
; PRIOR APPLICATION NUMBER: US/09/833,328
; PRIOR FILING DATE: 2001-04-12
; PRIOR APPLICATION NUMBER: 09/721,254
; PRIOR FILING DATE: 2000-11-22
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
; LENGTH: 150
; TYPE: PRT
; ORGANISM: human
US-11-166-288-6

Query Match      31.2%; Score 5; DB 7; Length 150;
Best Local Similarity 100.0%; Pred. No. 75;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      12 DLELP 16
        |||||
Db      110 DLELP 114

RESULT 19
US-11-072-512-2412
; Sequence 2412, Application US/11072512
; Publication No. US20060029945A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKA, TETSUJI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUUKO
; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAOHICO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTYUKI
; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: Novel full length cdNA
; FILE REFERENCE: 084335-0191
; CURRENT APPLICATION NUMBER: US/11/072,512

Query Match      31.2%; Score 5; DB 7; Length 169;
Best Local Similarity 100.0%; Pred. No. 84;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      12 DLELP 16
        |||||
Db      27 DLELP 31

RESULT 21
US-10-821-234-1552
; Sequence 1552, Application US/10821234
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; CURRENT FILING DATE: 2005-03-07
; PRIOR APPLICATION NUMBER: US 60/350,978
; PRIOR FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: JP 2001-379298
; PRIOR FILING DATE: 2001-11-05
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2412
; LENGTH: 167
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-072-512-2412

Query Match      31.2%; Score 5; DB 7; Length 167;
Best Local Similarity 100.0%; Pred. No. 83;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 VPDLE 14
        |||||
Db      63 VPDLE 67

RESULT 20
US-11-072-512-3903
; Sequence 3903, Application US/11072512
; Publication No. US20060029945A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUUKO
; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAOHICO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTYUKI
; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: Novel full length cdNA
; FILE REFERENCE: 084335-0191
; CURRENT APPLICATION NUMBER: US/11/072,512
; CURRENT FILING DATE: 2005-03-07
; PRIOR APPLICATION NUMBER: US 60/350,978
; PRIOR FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: JP 2001-379298
; PRIOR FILING DATE: 2001-11-05
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3903
; LENGTH: 169
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-072-512-3903

Query Match      31.2%; Score 5; DB 7; Length 169;
Best Local Similarity 100.0%; Pred. No. 84;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      12 DLELP 16
        |||||
Db      27 DLELP 31

RESULT 21
US-10-821-234-1552
; Sequence 1552, Application US/10821234
```

```
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821.234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pt_seq_genes Version 1.0
; SEQ ID NO 1552
; LENGTH: 180
; TYPE: PRT
; ORGANISM: Homo sapiens
; ORGANISM: Homo sapiens
US-10-821-234-1552

Query Match          31.2%; Score 5; DB 6; Length 180;
Best Local Similarity 100.0%; Pred. No. 89;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 DLPLP 16
Db 27 DLPLP 31

RESULT 22
US-11-182-016-42
; Sequence 42, Application US/11182016
; Publication No. US20060019294A1
; GENERAL INFORMATION:
; APPLICANT: SUGEN, INC.
; TITLE OF INVENTION: TYROSINE KINASE SUBSTRATE (TKS) PROTEINS
; FILE REFERENCE: 038602/0102
; CURRENT APPLICATION NUMBER: US/11/182,016
; CURRENT FILING DATE: 2005-07-15
; PRIOR APPLICATION NUMBER: US/09/958,359
; PRIOR FILING DATE: 2002-02-05
; NUMBER OF SEQ ID NOS: 55
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 42
; LENGTH: 203
; TYPE: PRT
; ORGANISM: Unknown Organism
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: tiam
US-11-182-016-42

Query Match          31.2%; Score 5; DB 7; Length 203;
Best Local Similarity 100.0%; Pred. No. 1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 VPDL 14
Db 72 VPDL 76

RESULT 23
US-10-454-437-26
; Sequence 26, Application US/10454437
; Publication No. US20050277115A1
; GENERAL INFORMATION:
; APPLICANT: Pompejus, Markus
; APPLICANT: Kroger, Burkhard
; APPLICANT: Schroder, Hartwig
; APPLICANT: Zelder, Oskar
; APPLICANT: Haberhauer, Gregor
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING PROTEINS
; TITLE OF INVENTION: INVOLVED IN HOMEOSTASIS AND ADAPTATION
; FILE REFERENCE: BGI-128CPCN
```

```
; CURRENT APPLICATION NUMBER: US/10/454,437
; CURRENT FILING DATE: 2003-06-13
; PRIOR APPLICATION NUMBER: US 60/141031
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: DE 19931636.8
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 199332125.6
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 199332126.4
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 199332127.2
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 199332128.0
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 199332129.9
; PRIOR FILING DATE: 1999-07-19
; PRIOR APPLICATION NUMBER: DE 199332226.0
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 199332920.6
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 199332922.2
; PRIOR FILING DATE: 1999-07-14
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 442
; SEQ ID NO 26
; LENGTH: 205
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-10-454-437-26

Query Match          31.2%; Score 5; DB 6; Length 205;
Best Local Similarity 100.0%; Pred. No. 1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 PDLEL 15
Db 92 PDLEL 96

RESULT 24
US-10-467-657-6890
; Sequence 6890, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SpA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWin99, version 1.04
; SEQ ID NO 6890
; LENGTH: 209
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-6890

Query Match          31.2%; Score 5; DB 6; Length 209;
Best Local Similarity 100.0%; Pred. No. 1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 AVPDL 13
Db 48 AVPDL 52

RESULT 25
```



```
US-10-467-657-5368
; Sequence 5368, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SpA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWin99, version 1.04
; SEQ ID NO 5368
; LENGTH: 236
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-5368

Query Match          31.2%; Score 5; DB 6; Length 236;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 LPKSE 7
Db 49 LPKSE 53

RESULT 26
US-10-995-561-601
; Sequence 601, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 601
; LENGTH: 252
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-995-561-601

Query Match          31.2%; Score 5; DB 6; Length 252;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 SLPKS 6
Db 163 SLPKS 167

RESULT 27
US-11-098-686-11106
; Sequence 11106, Application US/11098686
; Publication No. US20060024696A1
; GENERAL INFORMATION:
; APPLICANT: Kapur, Vivek and Gebhart, Connie J.
; TITLE OF INVENTION: NUCLEIC ACID AND POLYPEPTIDE SEQUENCES
; TITLE OF INVENTION: FROM LAWSONIA INTRACELLULARIS AND METHODS OF USING
; FILE REFERENCE: 09531-128001
; CURRENT APPLICATION NUMBER: US/11/098,686
; CURRENT FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: PCT/US03/31318
```

```
US-11-098-686-11106
; PRIOR FILING DATE: 2003-10-01
; PRIOR APPLICATION NUMBER: US 60/416,395
; PRIOR FILING DATE: 2002-10-04
; NUMBER OF SEQ ID NOS: 11433
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 11106
; LENGTH: 252
; TYPE: PRT
; ORGANISM: Lawsonia intracellularis
US-11-098-686-11106

Query Match          31.2%; Score 5; DB 7; Length 252;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 DLELP 16
Db 238 DLELP 242

RESULT 28
US-10-724-598-14
; Sequence 14, Application US/10724598
; Publication No. US20060019352A1
; GENERAL INFORMATION:
; APPLICANT: BLANCHE, FRANCIS; CAMERON, BEATRICE; CROUZET,
; JOEL; DEBUSSCHE, LAURENT; LEVY SCHIL, SOPHIE;
; THIBAUT, DENIS
; TITLE OF INVENTION: POLYPEPTIDES INVOLVED IN THE
; BIOSYNTHESIS OF COBALAMINS AND/OR COBAMIDES, PREPARATION METHOD AND THEIR
; CODING FOR THESE POLYPEPTIDES,
; USE.
; NUMBER OF SEQUENCES: 60
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORGAN & FINNEGAN
; STREET: 555 13TH STREET, N.W.
; CITY: WASHINGTON
; STATE: DISTRICT OF COLUMBIA
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: FLOPPY DISK
; COMPUTER: IBM PC COMPATIBLE
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/724,598
; FILING DATE: 01-Dec-2003
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/916,151
; FILING DATE: 14-SEP-1992
; APPLICATION NUMBER: PCT/FR91/00054
; FILING DATE: 30-JAN-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: F. F. CALVEITTI
; REGISTRATION NUMBER: 28,557
; REFERENCE/DOCKET NUMBER: 1290-7213
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 857-7887
; TELEFAX: (202) 857-7929
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 261 amino acids
; TYPE: Amino Acid
; STRANDEDNESS: <Unknown>
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: No
; ORIGINAL SOURCE:
; ORGANISM: Pseudomonas denitrificans
; STRAIN: <Unknown>
; INDIVIDUAL ISOLATE: <Unknown>
```



```

; PRIOR APPLICATION NUMBER: 60/135,134
; PRIOR FILING DATE: 1999-05-20
; PRIOR APPLICATION NUMBER: 09/394,519
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: 09/533,392
; PRIOR FILING DATE: 2000-03-22
; PRIOR APPLICATION NUMBER: 09/533,029
; PRIOR FILING DATE: 2000-03-22
; PRIOR APPLICATION NUMBER: 09/532,591
; PRIOR FILING DATE: 2000-03-22
; PRIOR APPLICATION NUMBER: 09/533,030
; PRIOR FILING DATE: 2000-03-22
; PRIOR APPLICATION NUMBER: 60/125,814
; PRIOR FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: 09/713,994
; PRIOR FILING DATE: 2000-11-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 430
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 26
; LENGTH: 359
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
; FEATURE:
; OTHER INFORMATION: G592 polypeptide Paralogous to G3086
US-10-714-887-26

Query Match          31.2%; Score 5; DB 6; Length 359;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      2 SLPKS 6
Db      251 SLPKS 255

RESULT 33
US-10-995-561-602
; Sequence 602, Application US/10995561
; Publication No. US2005027054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 602
; LENGTH: 363
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-995-561-602

Query Match          31.2%; Score 5; DB 6; Length 363;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      2 SLPKS 6
Db      163 SLPKS 167

RESULT 34
US-10-714-887-16
; Sequence 16, Application US/10714887
; Publication No. US20060015972A1
; GENERAL INFORMATION:
; APPLICANT: Mendel Biotechnology, Inc.
; APPLICANT: HEARD, Jacqueline
; APPLICANT: RIECHMANN, Jose Luis

```

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; APPLICANT: CREELMAN, Robert
; APPLICANT: RATCLIFFE, Oliver
; APPLICANT: CANALES, Roger
; APPLICANT: REPETTI, Peter
; APPLICANT: KUMIMOTO, Roderick W
; APPLICANT: GUTTERSON, Neal
; APPLICANT: REUBER, T. Lynne
; APPLICANT: PINEDA, Omaira
; APPLICANT: SHERMAN, Bradley K
; TITLE OF INVENTION: PLANT TRANSCRIPTIONAL REGULATORS OF DROUGHT STRESS
; FILE REFERENCE: MB10058-CIP
; CURRENT APPLICATION NUMBER: US/10/714,887
; CURRENT FILING DATE: 2003-11-13
; PRIOR APPLICATION NUMBER: 10/412,699
; PRIOR FILING DATE: 2003-04-10
; PRIOR APPLICATION NUMBER: 09/506,720
; PRIOR FILING DATE: 2000-02-17
; PRIOR APPLICATION NUMBER: 60/135,134
; PRIOR FILING DATE: 1999-05-20
; PRIOR APPLICATION NUMBER: 09/394,519
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: 09/533,392
; PRIOR FILING DATE: 2000-03-22
; PRIOR APPLICATION NUMBER: 09/533,029
; PRIOR FILING DATE: 2000-03-22
; PRIOR APPLICATION NUMBER: 09/532,591
; PRIOR FILING DATE: 2000-03-22
; PRIOR APPLICATION NUMBER: 09/533,030
; PRIOR FILING DATE: 2000-03-22
; PRIOR APPLICATION NUMBER: 60/125,814
; PRIOR FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: 09/713,994
; PRIOR FILING DATE: 2000-11-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 430
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 16
; LENGTH: 379
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
; FEATURE:
; OTHER INFORMATION: G3086 polypeptide reference sequence; clade identifier
US-10-714-887-16

Query Match          31.2%; Score 5; DB 6; Length 379;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      2 SLPKS 6
Db      284 SLPKS 288

RESULT 35
US-11-207-626A-25
; Sequence 25, Application US/11207626A
; Publication No. US20060014276A1
; GENERAL INFORMATION:
; APPLICANT: Havenga, Menzo
; APPLICANT: Vogels, Ronald
; APPLICANT: Bout, Abraham
; TITLE OF INVENTION: CHIMERIC ADENOVIRUSES
; FILE REFERENCE: 2578-4123.2US
; CURRENT APPLICATION NUMBER: US/11/207,626A
; CURRENT FILING DATE: 2005-08-18
; PRIOR APPLICATION NUMBER: EP 98202297.2
; PRIOR FILING DATE: 1998-07-08
; NUMBER OF SEQ ID NOS: 87
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 25
; LENGTH: 385
; TYPE: PRT
; ORGANISM: Human Adenovirus 30 Fiber Protein

```

```
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (23)..(97)
; OTHER INFORMATION: Xaa Can be any amino acid
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (23)..(23)
; OTHER INFORMATION: Xaa can be any naturally occurring amino acid
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (43)..(43)
; OTHER INFORMATION: Xaa can be any naturally occurring amino acid
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (49)..(49)
; OTHER INFORMATION: Xaa can be any naturally occurring amino acid
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (97)..(97)
; OTHER INFORMATION: Xaa can be any naturally occurring amino acid
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (152)..(152)
; OTHER INFORMATION: Xaa can be any naturally occurring amino acid
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (186)..(186)
; OTHER INFORMATION: Xaa can be any naturally occurring amino acid
US-11-207-626A-25
```

```
Query Match          31.2%; Score 5; DB 7; Length 385;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      2 SLPKS 6
Db      257 SLPKS 261
```

```
RESULT 36
US-10-793-626-1422
; Sequence 1422, Application US/10793626
; Publication No. US20050255478A1
; GENERAL INFORMATION:
; APPLICANT: KIMMERLY, WILLIAM JOHN
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
; FILE REFERENCE: PU3480US
; CURRENT APPLICATION NUMBER: US/10793.626
; PRIOR FILING DATE: 2004-03-04
; PRIOR APPLICATION NUMBER: 60/164,258
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1422
; LENGTH: 390
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
; OTHER INFORMATION: amino acid sequence
US-10-793-626-1422
```

```
Query Match          31.2%; Score 5; DB 6; Length 390;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      2 SLPKS 6
Db      148 SLPKS 152
```

```
RESULT 37
US-10-467-657-3024
```

```
; Sequence 3024, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SPA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWin99, version 1.04
; SEQ ID NO 3024
; LENGTH: 410
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-3024
```

```
Query Match          31.2%; Score 5; DB 6; Length 410;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      11 PDLEL 15
Db      405 PDLEL 409
```

```
RESULT 38
US-10-793-626-368
; Sequence 368, Application US/10793626
; Publication No. US20050255478A1
; GENERAL INFORMATION:
; APPLICANT: KIMMERLY, WILLIAM JOHN
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
; FILE REFERENCE: PU3480US
; CURRENT APPLICATION NUMBER: US/10/793.626
; CURRENT FILING DATE: 2004-03-04
; PRIOR APPLICATION NUMBER: 60/164,258
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 4472
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 368
; LENGTH: 412
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
; OTHER INFORMATION: amino acid sequence
US-10-793-626-368
```

```
Query Match          31.2%; Score 5; DB 6; Length 412;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      2 SLPKS 6
Db      71 SLPKS 75
```

```
RESULT 39
US-10-485-517-419
; Sequence 419, Application US/10485517
; Publication No. US20050256299A1
; GENERAL INFORMATION:
; APPLICANT: University of Sheffield
; APPLICANT: Biosynexus Incorporated
; APPLICANT: Foster, Simon
; APPLICANT: Mond, James
; TITLE OF INVENTION: Antigenic Polypeptides
```

; FILE REFERENCE: P100629WO
; CURRENT APPLICATION NUMBER: US/10/485,517
; CURRENT FILING DATE: 2004-02-02
; PRIOR APPLICATION NUMBER: GB 0118825.9
; PRIOR FILING DATE: 2001-08-02
; PRIOR APPLICATION NUMBER: GB 0200349.9
; PRIOR FILING DATE: 2002-01-09
; NUMBER OF SEQ ID NOS: 424
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 419
; TYPE: PRT
; LENGTH: 417
; ORGANISM: Staphylococcus epidermidis
US-10-485-517-419

Query Match 31.2%; Score 5; DB 6; Length 417;
Best Local Similarity 100.0%; Pred. No. 2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 SLPKS 6
Db 180 SLPKS 184

RESULT 40
US-10-858-730-3
; Sequence 3, Application US/10858730
; Publication No. US20050255568A1.
; GENERAL INFORMATION:
; APPLICANT: Bailey, Richard B.
; APPLICANT: Blomquist, Paul
; APPLICANT: Doten, Reed
; APPLICANT: Driggers, Edward M.
; APPLICANT: Madden, Kevin T.
; APPLICANT: O'Leary, Jessica
; APPLICANT: O'Toole, George
; APPLICANT: Trueheart, Joshua
; APPLICANT: Walbridge, Michael J.
; APPLICANT: Yorgey, Peter S.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR AMINO ACID
; FILE REFERENCE: 14184-030001
; CURRENT APPLICATION NUMBER: US/10/858,730
; CURRENT FILING DATE: 2004-06-01
; PRIOR APPLICATION NUMBER: US 60/475,000
; PRIOR FILING DATE: 2003-05-30
; PRIOR APPLICATION NUMBER: US 60/551,860
; PRIOR FILING DATE: 2004-03-10
; NUMBER OF SEQ ID NOS: 364
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 425
; TYPE: PRT
; ORGANISM: Streptomyces coelicolor
US-10-858-730-3

Query Match 31.2%; Score 5; DB 6; Length 425;
Best Local Similarity 100.0%; Pred. No. 2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 LPKSE 7
Db 317 LPKSE 321

RESULT 41
US-10-793-626-1474
; Sequence 1474, Application US/10793626
; Publication No. US20050255478A1
; GENERAL INFORMATION:
; APPLICANT: KIMMERLY, WILLIAM JOHN
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
; FILE REFERENCE: PU3480US

; CURRENT APPLICATION NUMBER: US/10/793,626
; CURRENT FILING DATE: 2004-03-04
; PRIOR APPLICATION NUMBER: 60/164,258
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 4472
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1474
; LENGTH: 431
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
; OTHER INFORMATION: amino acid sequence
US-10-793-626-1474

Query Match 31.2%; Score 5; DB 6; Length 431;
Best Local Similarity 100.0%; Pred. No. 2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YSLPK 5
Db 141 YSLPK 145

RESULT 42
US-10-131-826A-378
; Sequence 378, Application US/10131826A
; Publication No. US20050245730A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330KIC128
; CURRENT APPLICATION NUMBER: US/10/131,826A
; CURRENT FILING DATE: 2002-04-24
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550

```
; SEQ ID NO 378
; LENGTH: 450
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-131-826A-378

Query Match          31.2%; Score 5; DB 6; Length 450;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY  10 VPDLE 14
Db   77 VPDLE 81

RESULT 43
US-10-986-501-110
; Sequence 110, Application US/10986501
; Publication No. US20050244845A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: 90 Human Secreted Proteins
; FILE REFERENCE: P2013P2C1
; CURRENT APPLICATION NUMBER: US/10/986,501
; CURRENT FILING DATE: 2004-11-12
; PRIOR APPLICATION NUMBER: US/10/621,363
; PRIOR FILING DATE: 2003-07-18
; PRIOR APPLICATION NUMBER: 09/969,730
; PRIOR FILING DATE: 2001-10-06
; PRIOR APPLICATION NUMBER: 09/774,639
; PRIOR FILING DATE: 2001-02-01
; PRIOR APPLICATION NUMBER: 60/238,291
; PRIOR FILING DATE: 2000-10-06
; PRIOR APPLICATION NUMBER: 03/244,112
; PRIOR FILING DATE: 1999-02-04
; PRIOR APPLICATION NUMBER: PCT/US98/16235
; PRIOR FILING DATE: 1998-08-04
; PRIOR APPLICATION NUMBER: 60/056,371
; PRIOR FILING DATE: 1997-08-19
; PRIOR APPLICATION NUMBER: 60/056,732
; PRIOR FILING DATE: 1997-08-19
; PRIOR APPLICATION NUMBER: 60/056,366
; PRIOR FILING DATE: 1997-08-19
; PRIOR APPLICATION NUMBER: 60/056,364
; PRIOR FILING DATE: 1997-08-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 373
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 110
; LENGTH: 457
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (84)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: MISC_FEATURE
; LOCATION: (169)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-10-986-501-110

Query Match          31.2%; Score 5; DB 6; Length 457;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY  11 PDLEL 15
Db   272 PDLEL 276

RESULT 44
US-10-454-437-124
```

```
; Sequence 124, Application US/10454437
; Publication No. US2005027115A1
; GENERAL INFORMATION:
; APPLICANT: Pompeius, Markus
; APPLICANT: Kröger, Burkhard
; APPLICANT: Schroder, Hartwig
; APPLICANT: Zelder, Oskar
; APPLICANT: Haberhauer, Gregor
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING PROTEINS
; TITLE OF INVENTION: INVOLVED IN HOMEOSTASIS AND ADAPTATION
; FILE REFERENCE: BGI-128CPCN
; CURRENT APPLICATION NUMBER: US/10/454,437
; CURRENT FILING DATE: 2003-06-13
; PRIOR APPLICATION NUMBER: US 60/141031
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: DE 19931636.8
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19932125.6
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932126.4
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932127.2
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932128.0
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932129.9
; PRIOR FILING DATE: 1999-07-19
; PRIOR APPLICATION NUMBER: DE 19932226.0
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932920.6
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19932922.2
; PRIOR FILING DATE: 1999-07-14
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 442
; SEQ ID NO 124
; LENGTH: 458
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-10-454-437-124

Query Match          31.2%; Score 5; DB 6; Length 458;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY  12 DLELP 16
Db   446 DLELP 450

RESULT 45
US-10-984-376-3
; Sequence 3, Application US/10984376
; Publication No. US20050244436A1
; GENERAL INFORMATION:
; APPLICANT: GIULIANI, Marzia Monica
; APPLICANT: PIZZA, Mariagrazia
; APPLICANT: RAPPUOLI, Rino
; TITLE OF INVENTION: COMBINATION NEISSERIAL COMPOSITIONS
; FILE REFERENCE: 2300-1609.20
; CURRENT APPLICATION NUMBER: US/10/984,376
; CURRENT FILING DATE: 2004-11-09
; PRIOR APPLICATION NUMBER: 09/979,263
; PRIOR FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: PCT/IB00/00828
; PRIOR FILING DATE: 2000-05-19
; PRIOR APPLICATION NUMBER: GB 9911692.3
; PRIOR FILING DATE: 1999-05-19
; PRIOR APPLICATION NUMBER: GB 9919705.5
; PRIOR FILING DATE: 1999-08-19
; PRIOR APPLICATION NUMBER: GB 0005730.7
; PRIOR FILING DATE: 2000-03-09
; NUMBER OF SEQ ID NOS: 18
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; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 3
; LENGTH: 497
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: representative ORF 268 protein
US-10-984-376-3

Query Match          31.2%; Score 5; DB 6; Length 497;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      4 PKSEF 8
Db      249 PKSEF 253

RESULT 46
US-11-072-512-2580
; Sequence 2580, Application US/11072512
; Publication No. US20060029945A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUUKO
; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAOBU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAOHICO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTOKUKI
; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: Novel full length cDNA
; FILE REFERENCE: 084335-0191
; CURRENT APPLICATION NUMBER: US/11/072,512
; CURRENT FILING DATE: 2005-03-07
; PRIOR APPLICATION NUMBER: US 60/350,978
; PRIOR FILING DATE: 2002-01-25
; PRIOR FILING DATE: 2002-01-25
; PRIOR FILING DATE: 2001-11-05
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2580
; LENGTH: 510
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-072-512-2580

Query Match          31.2%; Score 5; DB 7; Length 510;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      11 PDLEL 15
Db      400 PDLEL 404

RESULT 47
US-11-072-512-2140
; Sequence 2140, Application US/11072512
; Publication No. US20060029945A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
```

```
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUUKO
; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAOBU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAOHICO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTOKUKI
; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: Novel full length cDNA
; FILE REFERENCE: 084335-0191
; CURRENT APPLICATION NUMBER: US/11/072,512
; CURRENT FILING DATE: 2005-03-07
; PRIOR APPLICATION NUMBER: US 60/350,978
; PRIOR FILING DATE: 2002-01-25
; PRIOR FILING DATE: 2002-01-25
; PRIOR FILING DATE: 2001-11-05
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2140
; LENGTH: 543
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-072-512-2140

Query Match          31.2%; Score 5; DB 7; Length 543;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      11 PDLEL 15
Db      86 PDLEL 90

RESULT 48
US-11-065-943-63
; Sequence 63, Application US/11065943
; Publication No. US20050250131A1
; GENERAL INFORMATION:
; APPLICANT: JESTIN, JEAN-LUC
; APPLICANT: VICHIER-GUERRE, SOPHIE
; APPLICANT: FERRIS, STEPHANE
; TITLE OF INVENTION: METHODS FOR OBTAINING THERMOSTABLE ENZYMES, DNA POLYMERASE I
; TITLE OF INVENTION: VARIANTS FROM THERMUS AQUATICUS HAVING NEW CATALYTIC ACTIVITIES,
; TITLE OF INVENTION: METHODS FOR OBTAINING THE SAME, AND APPLICATIONS OF THE SAME
; FILE REFERENCE: 266426USOXCIP
; CURRENT APPLICATION NUMBER: US/11/065,943
; CURRENT FILING DATE: 2005-02-25
; PRIOR APPLICATION NUMBER: US 10/787,219
; PRIOR FILING DATE: 2004-02-27
; NUMBER OF SEQ ID NOS: 106
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 63
; LENGTH: 545
; TYPE: PRT
; ORGANISM: Thermus aquaticus
US-11-065-943-63

Query Match          31.2%; Score 5; DB 7; Length 545;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 VPDL 14
Db      441 VPDL 445
```

```
RESULT 49
US-11-065-943-65
; Sequence 65, Application US/11065943
; Publication No. US20050250131A1
; GENERAL INFORMATION:
; APPLICANT: JESTIN, JEAN-LUC
; APPLICANT: VICHIER-GUERRE, SOPHIE
; TITLE OF INVENTION: METHODS FOR OBTAINING THERMOSTABLE ENZYMES, DNA POLYMERASE I
; TITLE OF INVENTION: VARIANTS FROM THERMUS AQUATICUS HAVING NEW CATALYTIC ACTIVITIES,
; FILE REFERENCE: 266426USOXCIP
; CURRENT APPLICATION NUMBER: US/11/065,943
; PRIOR FILING DATE: 2005-02-25
; PRIOR APPLICATION NUMBER: US 10/787,219
; PRIOR FILING DATE: 2004-02-27
; NUMBER OF SEQ ID NOS: 106
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 65
; LENGTH: 545
; TYPE: PRT
; ORGANISM: Thermus aquaticus
US-11-065-943-65

Query Match          31.2%; Score 5; DB 7; Length 545;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 VPDLE 14
Db      441 VPDLE 445

RESULT 50
US-11-065-943-67
; Sequence 67, Application US/11065943
; Publication No. US20050250131A1
; GENERAL INFORMATION:
; APPLICANT: JESTIN, JEAN-LUC
; APPLICANT: VICHIER-GUERRE, SOPHIE
; TITLE OF INVENTION: METHODS FOR OBTAINING THERMOSTABLE ENZYMES, DNA POLYMERASE I
; TITLE OF INVENTION: VARIANTS FROM THERMUS AQUATICUS HAVING NEW CATALYTIC ACTIVITIES,
; FILE REFERENCE: 266426USOXCIP
; CURRENT APPLICATION NUMBER: US/11/065,943
; CURRENT FILING DATE: 2005-02-25
; PRIOR APPLICATION NUMBER: US 10/787,219
; PRIOR FILING DATE: 2004-02-27
; NUMBER OF SEQ ID NOS: 106
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 67
; LENGTH: 545
; TYPE: PRT
; ORGANISM: Thermus aquaticus
US-11-065-943-67

Query Match          31.2%; Score 5; DB 7; Length 545;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 VPDLE 14
Db      441 VPDLE 445

RESULT 51
US-11-065-943-69
; Sequence 69, Application US/11065943
; Publication No. US20050250131A1
; GENERAL INFORMATION:
; APPLICANT: JESTIN, JEAN-LUC
```

```
; APPLICANT: VICHIER-GUERRE, SOPHIE
; APPLICANT: FERRIS, STEPHANE
; TITLE OF INVENTION: METHODS FOR OBTAINING THERMOSTABLE ENZYMES, DNA POLYMERASE I
; TITLE OF INVENTION: VARIANTS FROM THERMUS AQUATICUS HAVING NEW CATALYTIC ACTIVITIES,
; FILE REFERENCE: 266426USOXCIP
; CURRENT APPLICATION NUMBER: US/11/065,943
; CURRENT FILING DATE: 2005-02-25
; PRIOR APPLICATION NUMBER: US 10/787,219
; PRIOR FILING DATE: 2004-02-27
; NUMBER OF SEQ ID NOS: 106
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 69
; LENGTH: 545
; TYPE: PRT
; ORGANISM: Thermus aquaticus
US-11-065-943-69

Query Match          31.2%; Score 5; DB 7; Length 545;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 VPDLE 14
Db      441 VPDLE 445

RESULT 52
US-11-065-943-71
; Sequence 71, Application US/11065943
; Publication No. US20050250131A1
; GENERAL INFORMATION:
; APPLICANT: JESTIN, JEAN-LUC
; APPLICANT: VICHIER-GUERRE, SOPHIE
; TITLE OF INVENTION: METHODS FOR OBTAINING THERMOSTABLE ENZYMES, DNA POLYMERASE I
; TITLE OF INVENTION: VARIANTS FROM THERMUS AQUATICUS HAVING NEW CATALYTIC ACTIVITIES,
; FILE REFERENCE: 266426USOXCIP
; CURRENT APPLICATION NUMBER: US/11/065,943
; CURRENT FILING DATE: 2005-02-25
; PRIOR APPLICATION NUMBER: US 10/787,219
; PRIOR FILING DATE: 2004-02-27
; NUMBER OF SEQ ID NOS: 106
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 71
; LENGTH: 545
; TYPE: PRT
; ORGANISM: Thermus aquaticus
US-11-065-943-71

Query Match          31.2%; Score 5; DB 7; Length 545;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 VPDLE 14
Db      441 VPDLE 445

RESULT 53
US-11-065-943-73
; Sequence 73, Application US/11065943
; Publication No. US20050250131A1
; GENERAL INFORMATION:
; APPLICANT: JESTIN, JEAN-LUC
; APPLICANT: VICHIER-GUERRE, SOPHIE
; TITLE OF INVENTION: METHODS FOR OBTAINING THERMOSTABLE ENZYMES, DNA POLYMERASE I
; TITLE OF INVENTION: VARIANTS FROM THERMUS AQUATICUS HAVING NEW CATALYTIC ACTIVITIES,
; FILE REFERENCE: 266426USOXCIP
; CURRENT APPLICATION NUMBER: US/11/065,943
```



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; CURRENT FILING DATE: 2005-02-25
; PRIOR APPLICATION NUMBER: US 10/787,219
; PRIOR FILING DATE: 2004-02-27
; NUMBER OF SEQ ID NOS: 106
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 73
; LENGTH: 545
; TYPE: PRT
; ORGANISM: Thermus aquaticus
; US-11-065-943-73

Query Match          31.2%; Score 5; DB 7; Length 545;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 VPDLE 14
Db      441 VPDLE 445

RESULT 54
US-11-065-943-75
; Sequence 75, Application US/11065943
; Publication No. US20050250131A1
; GENERAL INFORMATION:
; APPLICANT: JESTIN, JEAN-LUC
; APPLICANT: VICHIER-GUERRE, SOPHIE
; APPLICANT: FERRIS, STEPHANE
; TITLE OF INVENTION: METHODS FOR OBTAINING THERMOSTABLE ENZYMES, DNA POLYMERASE I
; TITLE OF INVENTION: VARIANTS FROM THERMUS AQUATICUS HAVING NEW CATALYTIC ACTIVITIES,
; TITLE OF INVENTION: METHODS FOR OBTAINING THE SAME, AND APPLICATIONS OF THE SAME
; FILE REFERENCE: 266426USOXCIP
; CURRENT APPLICATION NUMBER: US/11/065,943
; PRIOR FILING DATE: 2005-02-25
; PRIOR APPLICATION NUMBER: US 10/787,219
; NUMBER OF SEQ ID NOS: 106
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 75
; LENGTH: 545
; TYPE: PRT
; ORGANISM: Thermus aquaticus
; US-11-065-943-75

Query Match          31.2%; Score 5; DB 7; Length 545;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 VPDLE 14
Db      441 VPDLE 445

RESULT 55
US-11-065-943-77
; Sequence 77, Application US/11065943
; Publication No. US20050250131A1
; GENERAL INFORMATION:
; APPLICANT: JESTIN, JEAN-LUC
; APPLICANT: VICHIER-GUERRE, SOPHIE
; APPLICANT: FERRIS, STEPHANE
; TITLE OF INVENTION: METHODS FOR OBTAINING THERMOSTABLE ENZYMES, DNA POLYMERASE I
; TITLE OF INVENTION: VARIANTS FROM THERMUS AQUATICUS HAVING NEW CATALYTIC ACTIVITIES,
; TITLE OF INVENTION: METHODS FOR OBTAINING THE SAME, AND APPLICATIONS OF THE SAME
; FILE REFERENCE: 266426USOXCIP
; CURRENT APPLICATION NUMBER: US/11/065,943
; PRIOR FILING DATE: 2005-02-25
; PRIOR APPLICATION NUMBER: US 10/787,219
; NUMBER OF SEQ ID NOS: 106
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 77
; LENGTH: 545
```

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; TYPE: PRT
; ORGANISM: Thermus aquaticus
; US-11-065-943-77

Query Match          31.2%; Score 5; DB 7; Length 545;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 VPDLE 14
Db      441 VPDLE 445

RESULT 56
US-11-065-943-79
; Sequence 79, Application US/11065943
; Publication No. US20050250131A1
; GENERAL INFORMATION:
; APPLICANT: JESTIN, JEAN-LUC
; APPLICANT: VICHIER-GUERRE, SOPHIE
; APPLICANT: FERRIS, STEPHANE
; TITLE OF INVENTION: METHODS FOR OBTAINING THERMOSTABLE ENZYMES, DNA POLYMERASE I
; TITLE OF INVENTION: VARIANTS FROM THERMUS AQUATICUS HAVING NEW CATALYTIC ACTIVITIES,
; TITLE OF INVENTION: METHODS FOR OBTAINING THE SAME, AND APPLICATIONS OF THE SAME
; FILE REFERENCE: 266426USOXCIP
; CURRENT APPLICATION NUMBER: US/11/065,943
; PRIOR FILING DATE: 2005-02-25
; PRIOR APPLICATION NUMBER: US 10/787,219
; NUMBER OF SEQ ID NOS: 106
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 79
; LENGTH: 545
; TYPE: PRT
; ORGANISM: Thermus aquaticus
; US-11-065-943-79

Query Match          31.2%; Score 5; DB 7; Length 545;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 VPDLE 14
Db      441 VPDLE 445

RESULT 57
US-11-065-943-81
; Sequence 81, Application US/11065943
; Publication No. US20050250131A1
; GENERAL INFORMATION:
; APPLICANT: JESTIN, JEAN-LUC
; APPLICANT: VICHIER-GUERRE, SOPHIE
; APPLICANT: FERRIS, STEPHANE
; TITLE OF INVENTION: METHODS FOR OBTAINING THERMOSTABLE ENZYMES, DNA POLYMERASE I
; TITLE OF INVENTION: VARIANTS FROM THERMUS AQUATICUS HAVING NEW CATALYTIC ACTIVITIES,
; TITLE OF INVENTION: METHODS FOR OBTAINING THE SAME, AND APPLICATIONS OF THE SAME
; FILE REFERENCE: 266426USOXCIP
; CURRENT APPLICATION NUMBER: US/11/065,943
; PRIOR FILING DATE: 2005-02-25
; PRIOR APPLICATION NUMBER: US 10/787,219
; NUMBER OF SEQ ID NOS: 106
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 81
; LENGTH: 545
; TYPE: PRT
; ORGANISM: Thermus aquaticus
; US-11-065-943-81

Query Match          31.2%; Score 5; DB 7; Length 545;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

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Qy      10 VPDL 14
      |||||
Db      441 VPDL 445

RESULT 58
US-11-065-943-83
; Sequence 83, Application US/11065943
; Publication No. US20050250131A1
; GENERAL INFORMATION:
; APPLICANT: JESTIN, JEAN-LUC
; APPLICANT: VICHIER-GUERRE, SOPHIE
; APPLICANT: FERRIS, STEPHANE
; TITLE OF INVENTION: METHODS FOR OBTAINING THERMOSTABLE ENZYMES, DNA POLYMERASE I
; TITLE OF INVENTION: VARIANTS FROM THERMUS AQUATICUS HAVING NEW CATALYTIC ACTIVITIES,
; TITLE OF INVENTION: METHODS FOR OBTAINING THE SAME, AND APPLICATIONS OF THE SAME
; FILE REFERENCE: 266426USOXCIP
; CURRENT APPLICATION NUMBER: US/11/065,943
; PRIOR FILING DATE: 2005-02-25
; PRIOR APPLICATION NUMBER: US 10/787,219
; NUMBER OF SEQ ID NOS: 106
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 83
; LENGTH: 545
; TYPE: PRT
; ORGANISM: Thermus aquaticus
US-11-065-943-83

Query Match      31.2%; Score 5; DB 7; Length 545;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 VPDL 14
      |||||
Db      441 VPDL 445

RESULT 59
US-11-065-943-85
; Sequence 85, Application US/11065943
; Publication No. US20050250131A1
; GENERAL INFORMATION:
; APPLICANT: JESTIN, JEAN-LUC
; APPLICANT: VICHIER-GUERRE, SOPHIE
; APPLICANT: FERRIS, STEPHANE
; TITLE OF INVENTION: METHODS FOR OBTAINING THERMOSTABLE ENZYMES, DNA POLYMERASE I
; TITLE OF INVENTION: VARIANTS FROM THERMUS AQUATICUS HAVING NEW CATALYTIC ACTIVITIES,
; TITLE OF INVENTION: METHODS FOR OBTAINING THE SAME, AND APPLICATIONS OF THE SAME
; FILE REFERENCE: 266426USOXCIP
; CURRENT APPLICATION NUMBER: US/11/065,943
; CURRENT FILING DATE: 2005-02-25
; PRIOR FILING DATE: 2004-02-27
; NUMBER OF SEQ ID NOS: 106
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 85
; LENGTH: 545
; TYPE: PRT
; ORGANISM: Thermus aquaticus
US-11-065-943-85

Query Match      31.2%; Score 5; DB 7; Length 545;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 VPDL 14
      |||||
Db      441 VPDL 445

, RESULT 60
```

```
US-11-065-943-87
; Sequence 87, Application US/11065943
; Publication No. US20050250131A1
; GENERAL INFORMATION:
; APPLICANT: JESTIN, JEAN-LUC
; APPLICANT: VICHIER-GUERRE, SOPHIE
; APPLICANT: FERRIS, STEPHANE
; TITLE OF INVENTION: METHODS FOR OBTAINING THERMOSTABLE ENZYMES, DNA POLYMERASE I
; TITLE OF INVENTION: VARIANTS FROM THERMUS AQUATICUS HAVING NEW CATALYTIC ACTIVITIES,
; TITLE OF INVENTION: METHODS FOR OBTAINING THE SAME, AND APPLICATIONS OF THE SAME
; FILE REFERENCE: 266426USOXCIP
; CURRENT APPLICATION NUMBER: US/11/065,943
; CURRENT FILING DATE: 2005-02-25
; PRIOR FILING DATE: 2004-02-27
; NUMBER OF SEQ ID NOS: 106
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 87
; LENGTH: 545
; TYPE: PRT
; ORGANISM: Thermus aquaticus
US-11-065-943-87

Query Match      31.2%; Score 5; DB 7; Length 545;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 VPDL 14
      |||||
Db      441 VPDL 445

RESULT 61
US-11-065-943-89
; Sequence 89, Application US/11065943
; Publication No. US20050250131A1
; GENERAL INFORMATION:
; APPLICANT: JESTIN, JEAN-LUC
; APPLICANT: VICHIER-GUERRE, SOPHIE
; APPLICANT: FERRIS, STEPHANE
; TITLE OF INVENTION: METHODS FOR OBTAINING THERMOSTABLE ENZYMES, DNA POLYMERASE I
; TITLE OF INVENTION: VARIANTS FROM THERMUS AQUATICUS HAVING NEW CATALYTIC ACTIVITIES,
; FILE REFERENCE: 266426USOXCIP
; CURRENT APPLICATION NUMBER: US/11/065,943
; CURRENT FILING DATE: 2005-02-25
; PRIOR FILING DATE: 2004-02-27
; NUMBER OF SEQ ID NOS: 106
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 89
; LENGTH: 545
; TYPE: PRT
; ORGANISM: Thermus aquaticus
US-11-065-943-89

Query Match      31.2%; Score 5; DB 7; Length 545;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 VPDL 14
      |||||
Db      441 VPDL 445

RESULT 62
US-11-065-943-91
; Sequence 91, Application US/11065943
; Publication No. US20050250131A1
; GENERAL INFORMATION:
; APPLICANT: JESTIN, JEAN-LUC
; APPLICANT: VICHIER-GUERRE, SOPHIE
; APPLICANT: FERRIS, STEPHANE
```

```
; TITLE OF INVENTION: METHODS FOR OBTAINING THERMOSTABLE ENZYMES, DNA POLYMERASE I
; TITLE OF INVENTION: VARIANTS FROM THERMUS AQUATICUS HAVING NEW CATALYTIC ACTIVITIES,
; TITLE OF INVENTION: METHODS FOR OBTAINING THE SAME, AND APPLICATIONS OF THE SAME
; FILE REFERENCE: 266426USOXCIP
; CURRENT APPLICATION NUMBER: US/11/065,943
; CURRENT FILING DATE: 2005-02-25
; PRIOR APPLICATION NUMBER: US 10/787,219
; PRIOR FILING DATE: 2004-02-27
; NUMBER OF SEQ ID NOS: 106
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 91
; LENGTH: 545
; TYPE: PRT
; ORGANISM: Thermus aquaticus
;
US-11-065-943-91

Query Match          31.2%; Score 5; DB 7; Length 545;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 VPDLE 14
Db      441 VPDLE 445

RESULT 63
US-11-065-943-93
; Sequence 93, Application US/11065943
; Publication No. US20050250131A1
; GENERAL INFORMATION:
; APPLICANT: JESTIN, JEAN-LUC
; APPLICANT: VICHIER-GUERRE, SOPHIE
; APPLICANT: FERRIS, STEPHANE
; TITLE OF INVENTION: METHODS FOR OBTAINING THERMOSTABLE ENZYMES, DNA POLYMERASE I
; TITLE OF INVENTION: VARIANTS FROM THERMUS AQUATICUS HAVING NEW CATALYTIC ACTIVITIES,
; TITLE OF INVENTION: METHODS FOR OBTAINING THE SAME, AND APPLICATIONS OF THE SAME
; FILE REFERENCE: 266426USOXCIP
; CURRENT APPLICATION NUMBER: US/11/065,943
; CURRENT FILING DATE: 2005-02-25
; PRIOR APPLICATION NUMBER: US 10/787,219
; PRIOR FILING DATE: 2004-02-27
; NUMBER OF SEQ ID NOS: 106
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 93
; LENGTH: 545
; TYPE: PRT
; ORGANISM: Thermus aquaticus
;
US-11-065-943-93

Query Match          31.2%; Score 5; DB 7; Length 545;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 VPDLE 14
Db      441 VPDLE 445

RESULT 64
US-11-065-943-95
; Sequence 95, Application US/11065943
; Publication No. US20050250131A1
; GENERAL INFORMATION:
; APPLICANT: JESTIN, JEAN-LUC
; APPLICANT: VICHIER-GUERRE, SOPHIE
; APPLICANT: FERRIS, STEPHANE
; TITLE OF INVENTION: METHODS FOR OBTAINING THERMOSTABLE ENZYMES, DNA POLYMERASE I
; TITLE OF INVENTION: VARIANTS FROM THERMUS AQUATICUS HAVING NEW CATALYTIC ACTIVITIES,
; TITLE OF INVENTION: METHODS FOR OBTAINING THE SAME, AND APPLICATIONS OF THE SAME
; FILE REFERENCE: 266426USOXCIP
; CURRENT APPLICATION NUMBER: US/11/065,943
; CURRENT FILING DATE: 2005-02-25
; PRIOR APPLICATION NUMBER: US 10/787,219
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; PRIOR FILING DATE: 2004-02-27
; NUMBER OF SEQ ID NOS: 106
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 95
; LENGTH: 545
; TYPE: PRT
; ORGANISM: Thermus aquaticus
;
US-11-065-943-95

Query Match          31.2%; Score 5; DB 7; Length 545;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 VPDLE 14
Db      441 VPDLE 445

RESULT 65
US-11-065-943-97
; Sequence 97, Application US/11065943
; Publication No. US20050250131A1
; GENERAL INFORMATION:
; APPLICANT: JESTIN, JEAN-LUC
; APPLICANT: VICHIER-GUERRE, SOPHIE
; APPLICANT: FERRIS, STEPHANE
; TITLE OF INVENTION: METHODS FOR OBTAINING THERMOSTABLE ENZYMES, DNA POLYMERASE I
; TITLE OF INVENTION: VARIANTS FROM THERMUS AQUATICUS HAVING NEW CATALYTIC ACTIVITIES,
; TITLE OF INVENTION: METHODS FOR OBTAINING THE SAME, AND APPLICATIONS OF THE SAME
; FILE REFERENCE: 266426USOXCIP
; CURRENT APPLICATION NUMBER: US/11/065,943
; CURRENT FILING DATE: 2005-02-25
; PRIOR APPLICATION NUMBER: US 10/787,219
; PRIOR FILING DATE: 2004-02-27
; NUMBER OF SEQ ID NOS: 106
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 97
; LENGTH: 545
; TYPE: PRT
; ORGANISM: Thermus aquaticus
;
US-11-065-943-97

Query Match          31.2%; Score 5; DB 7; Length 545;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 VPDLE 14
Db      441 VPDLE 445

RESULT 66
US-11-065-943-99
; Sequence 99, Application US/11065943
; Publication No. US20050250131A1
; GENERAL INFORMATION:
; APPLICANT: JESTIN, JEAN-LUC
; APPLICANT: VICHIER-GUERRE, SOPHIE
; APPLICANT: FERRIS, STEPHANE
; TITLE OF INVENTION: METHODS FOR OBTAINING THERMOSTABLE ENZYMES, DNA POLYMERASE I
; TITLE OF INVENTION: VARIANTS FROM THERMUS AQUATICUS HAVING NEW CATALYTIC ACTIVITIES,
; TITLE OF INVENTION: METHODS FOR OBTAINING THE SAME, AND APPLICATIONS OF THE SAME
; FILE REFERENCE: 266426USOXCIP
; CURRENT APPLICATION NUMBER: US/11/065,943
; CURRENT FILING DATE: 2005-02-25
; PRIOR APPLICATION NUMBER: US 10/787,219
; PRIOR FILING DATE: 2004-02-27
; NUMBER OF SEQ ID NOS: 106
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 99
; LENGTH: 545
; TYPE: PRT
; ORGANISM: Thermus aquaticus
;
```

US-11-065-943-99

Query Match 31.2%; Score 5; DB 7; Length 545;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 VPDLE 14
Db 441 VPDLE 445

RESULT 67

US-10-467-657-234
; Sequence 234, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SpA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWin99, version 1.04
; SEQ ID NO 234
; LENGTH: 550
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-234

Query Match 31.2%; Score 5; DB 6; Length 550;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 5 KSEFA 9
Db 262 KSEFA 266

RESULT 68

US-10-467-657-924
; Sequence 924, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SpA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWin99, version 1.04
; SEQ ID NO 924
; LENGTH: 550
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-924

Query Match 31.2%; Score 5; DB 6; Length 550;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 5 KSEFA 9

Db 262 KSEFA 266

RESULT 69

US-10-850-816-2
; Sequence 2, Application US/10850816
; Publication No. US20050260606A1
; GENERAL INFORMATION:
; APPLICANT: KERMEKCHIEV, MILKO B.
; APPLICANT: BARNES, WAYNE M.
; TITLE OF INVENTION: USE OF WHOLE BLOOD IN PCR REACTIONS
; FILE REFERENCE: 60019630-0046
; CURRENT APPLICATION NUMBER: US/10/850,816
; CURRENT FILING DATE: 2004-05-20
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO 2
; LENGTH: 554
; TYPE: PRT
; ORGANISM: Thermus aquaticus
US-10-850-816-2

Query Match 31.2%; Score 5; DB 6; Length 554;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 VPDLE 14
Db 452 VPDLE 456

RESULT 70

US-10-850-816-4
; Sequence 4, Application US/10850816
; Publication No. US20050260606A1
; GENERAL INFORMATION:
; APPLICANT: KERMEKCHIEV, MILKO B.
; APPLICANT: BARNES, WAYNE M.
; TITLE OF INVENTION: USE OF WHOLE BLOOD IN PCR REACTIONS
; FILE REFERENCE: 60019630-0046
; CURRENT APPLICATION NUMBER: US/10/850,816
; CURRENT FILING DATE: 2004-05-20
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO 4
; LENGTH: 554
; TYPE: PRT
; ORGANISM: Thermus aquaticus
US-10-850-816-4

Query Match 31.2%; Score 5; DB 6; Length 554;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 VPDLE 14
Db 452 VPDLE 456

RESULT 71

US-10-850-816-6
; Sequence 6, Application US/10850816
; Publication No. US20050260606A1
; GENERAL INFORMATION:
; APPLICANT: KERMEKCHIEV, MILKO B.
; APPLICANT: BARNES, WAYNE M.
; TITLE OF INVENTION: USE OF WHOLE BLOOD IN PCR REACTIONS
; FILE REFERENCE: 60019630-0046
; CURRENT APPLICATION NUMBER: US/10/850,816
; CURRENT FILING DATE: 2004-05-20
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn Ver. 3.2

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; SEQ ID NO 6
; LENGTH: 554
; TYPE: PRT
; ORGANISM: Thermus aquaticus
US-10-850-816-6

Query Match          31.2%; Score 5; DB 6; Length 554;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 VPDLE 14
Db      452 VPDLE 456

RESULT 72
US-11-065-943-20
; Sequence 20, Application US/11065943
; Publication No. US20050250131A1
; GENERAL INFORMATION:
; APPLICANT: JESTIN, JEAN-LUC
; APPLICANT: VICHIER-GUERRE, SOPHIE
; APPLICANT: FERRIS, STEPHANE
; TITLE OF INVENTION: METHODS FOR OBTAINING THERMOSTABLE ENZYMES, DNA POLYMERASE I
; TITLE OF INVENTION: VARIANTS FROM THERMUS AQUATICUS HAVING NEW CATALYTIC ACTIVITIES,
; TITLE OF INVENTION: METHODS FOR OBTAINING THE SAME, AND APPLICATIONS OF THE SAME
; FILE REFERENCE: 266426USOXCIP
; CURRENT APPLICATION NUMBER: US/11/065,943
; PRIOR FILING DATE: 2005-02-25
; PRIOR FILING DATE: 2004-02-27
; NUMBER OF SEQ ID NOS: 106
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 20
; LENGTH: 562
; TYPE: PRT
; ORGANISM: Thermus aquaticus
US-11-065-943-20

Query Match          31.2%; Score 5; DB 7; Length 562;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 VPDLE 14
Db      453 VPDLE 457

RESULT 73
US-11-065-943-22
; Sequence 22, Application US/11065943
; Publication No. US20050250131A1
; GENERAL INFORMATION:
; APPLICANT: JESTIN, JEAN-LUC
; APPLICANT: VICHIER-GUERRE, SOPHIE
; APPLICANT: FERRIS, STEPHANE
; TITLE OF INVENTION: METHODS FOR OBTAINING THERMOSTABLE ENZYMES, DNA POLYMERASE I
; TITLE OF INVENTION: VARIANTS FROM THERMUS AQUATICUS HAVING NEW CATALYTIC ACTIVITIES,
; TITLE OF INVENTION: METHODS FOR OBTAINING THE SAME, AND APPLICATIONS OF THE SAME
; FILE REFERENCE: 266426USOXCIP
; CURRENT APPLICATION NUMBER: US/11/065,943
; CURRENT FILING DATE: 2005-02-25
; PRIOR FILING DATE: 2004-02-27
; NUMBER OF SEQ ID NOS: 106
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 22
; LENGTH: 562
; TYPE: PRT
; ORGANISM: Thermus aquaticus
US-11-065-943-22

Query Match          31.2%; Score 5; DB 7; Length 562;
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```
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 VPDLE 14
Db      453 VPDLE 457

RESULT 74
US-11-065-943-26
; Sequence 26, Application US/11065943
; Publication No. US20050250131A1
; GENERAL INFORMATION:
; APPLICANT: JESTIN, JEAN-LUC
; APPLICANT: VICHIER-GUERRE, SOPHIE
; APPLICANT: FERRIS, STEPHANE
; TITLE OF INVENTION: METHODS FOR OBTAINING THERMOSTABLE ENZYMES, DNA POLYMERASE I
; TITLE OF INVENTION: VARIANTS FROM THERMUS AQUATICUS HAVING NEW CATALYTIC ACTIVITIES,
; TITLE OF INVENTION: METHODS FOR OBTAINING THE SAME, AND APPLICATIONS OF THE SAME
; FILE REFERENCE: 266426USOXCIP
; CURRENT APPLICATION NUMBER: US/11/065,943
; CURRENT FILING DATE: 2005-02-25
; PRIOR FILING DATE: 2004-02-27
; NUMBER OF SEQ ID NOS: 106
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 26
; LENGTH: 562
; TYPE: PRT
; ORGANISM: Thermus aquaticus
US-11-065-943-26

Query Match          31.2%; Score 5; DB 7; Length 562;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 VPDLE 14
Db      453 VPDLE 457
```

```
RESULT 75
US-11-065-943-28
; Sequence 28, Application US/11065943
; Publication No. US20050250131A1
; GENERAL INFORMATION:
; APPLICANT: JESTIN, JEAN-LUC
; APPLICANT: VICHIER-GUERRE, SOPHIE
; APPLICANT: FERRIS, STEPHANE
; TITLE OF INVENTION: METHODS FOR OBTAINING THERMOSTABLE ENZYMES, DNA POLYMERASE I
; TITLE OF INVENTION: VARIANTS FROM THERMUS AQUATICUS HAVING NEW CATALYTIC ACTIVITIES,
; TITLE OF INVENTION: METHODS FOR OBTAINING THE SAME, AND APPLICATIONS OF THE SAME
; FILE REFERENCE: 266426USOXCIP
; CURRENT APPLICATION NUMBER: US/11/065,943
; CURRENT FILING DATE: 2005-02-25
; PRIOR FILING DATE: 2004-02-27
; NUMBER OF SEQ ID NOS: 106
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 28
; LENGTH: 562
; TYPE: PRT
; ORGANISM: Thermus aquaticus
US-11-065-943-28

Query Match          31.2%; Score 5; DB 7; Length 562;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 VPDLE 14
Db      453 VPDLE 457
```

```
RESULT 75
US-11-065-943-28
; Sequence 28, Application US/11065943
; Publication No. US20050250131A1
; GENERAL INFORMATION:
; APPLICANT: JESTIN, JEAN-LUC
; APPLICANT: VICHIER-GUERRE, SOPHIE
; APPLICANT: FERRIS, STEPHANE
; TITLE OF INVENTION: METHODS FOR OBTAINING THERMOSTABLE ENZYMES, DNA POLYMERASE I
; TITLE OF INVENTION: VARIANTS FROM THERMUS AQUATICUS HAVING NEW CATALYTIC ACTIVITIES,
; TITLE OF INVENTION: METHODS FOR OBTAINING THE SAME, AND APPLICATIONS OF THE SAME
; FILE REFERENCE: 266426USOXCIP
; CURRENT APPLICATION NUMBER: US/11/065,943
; CURRENT FILING DATE: 2005-02-25
; PRIOR FILING DATE: 2004-02-27
; NUMBER OF SEQ ID NOS: 106
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 28
; LENGTH: 562
; TYPE: PRT
; ORGANISM: Thermus aquaticus
US-11-065-943-28

Query Match          31.2%; Score 5; DB 7; Length 562;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 VPDLE 14
Db      453 VPDLE 457
```

```
RESULT 76
US-11-065-943-30
; Sequence 30, Application US/11065943
; Publication No. US20050250131A1
; GENERAL INFORMATION:
; APPLICANT: JESTIN, JEAN-LUC
; APPLICANT: VICHIER-GUERRE, SOPHIE
; APPLICANT: FERRIS, STEPHANE
; TITLE OF INVENTION: METHODS FOR OBTAINING THERMOSTABLE ENZYMES, DNA POLYMERASE I
; TITLE OF INVENTION: VARIANTS FROM THERMUS AQUATICUS HAVING NEW CATALYTIC ACTIVITIES,
; TITLE OF INVENTION: METHODS FOR OBTAINING THE SAME, AND APPLICATIONS OF THE SAME
; FILE REFERENCE: 266426US0XCIP
; CURRENT APPLICATION NUMBER: US/11/065,943
; PRIOR FILING DATE: 2005-02-25
; PRIOR APPLICATION NUMBER: US 10/787,219
; PRIOR FILING DATE: 2004-02-27
; NUMBER OF SEQ ID NOS: 106
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 30
; LENGTH: 562
; TYPE: PRT
; ORGANISM: Thermus aquaticus
US-11-065-943-30

Query Match          31.2%; Score 5; DB 7; Length 562;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 VPDLE 14
Db      453 VPDLE 457

RESULT 77
US-11-065-943-32
; Sequence 32, Application US/11065943
; Publication No. US20050250131A1
; GENERAL INFORMATION:
; APPLICANT: JESTIN, JEAN-LUC
; APPLICANT: VICHIER-GUERRE, SOPHIE
; APPLICANT: FERRIS, STEPHANE
; TITLE OF INVENTION: METHODS FOR OBTAINING THERMOSTABLE ENZYMES, DNA POLYMERASE I
; TITLE OF INVENTION: VARIANTS FROM THERMUS AQUATICUS HAVING NEW CATALYTIC ACTIVITIES,
; TITLE OF INVENTION: METHODS FOR OBTAINING THE SAME, AND APPLICATIONS OF THE SAME
; FILE REFERENCE: 266426US0XCIP
; CURRENT APPLICATION NUMBER: US/11/065,943
; CURRENT FILING DATE: 2005-02-25
; PRIOR APPLICATION NUMBER: US 10/787,219
; PRIOR FILING DATE: 2004-02-27
; NUMBER OF SEQ ID NOS: 106
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 32
; LENGTH: 562
; TYPE: PRT
; ORGANISM: Thermus aquaticus
US-11-065-943-32

Query Match          31.2%; Score 5; DB 7; Length 562;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 VPDLE 14
Db      453 VPDLE 457

RESULT 78
US-11-065-943-34
; Sequence 34, Application US/11065943
; Publication No. US20050250131A1
; GENERAL INFORMATION:
; APPLICANT: JESTIN, JEAN-LUC
```

```
; APPLICANT: VICHIER-GUERRE, SOPHIE
; APPLICANT: FERRIS, STEPHANE
; TITLE OF INVENTION: METHODS FOR OBTAINING THERMOSTABLE ENZYMES, DNA POLYMERASE I
; TITLE OF INVENTION: VARIANTS FROM THERMUS AQUATICUS HAVING NEW CATALYTIC ACTIVITIES,
; TITLE OF INVENTION: METHODS FOR OBTAINING THE SAME, AND APPLICATIONS OF THE SAME
; FILE REFERENCE: 266426US0XCIP
; CURRENT APPLICATION NUMBER: US/11/065,943
; CURRENT FILING DATE: 2005-02-25
; PRIOR APPLICATION NUMBER: US 10/787,219
; PRIOR FILING DATE: 2004-02-27
; NUMBER OF SEQ ID NOS: 106
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 34
; LENGTH: 562
; TYPE: PRT
; ORGANISM: Thermus aquaticus
US-11-065-943-34

Query Match          31.2%; Score 5; DB 7; Length 562;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 VPDLE 14
Db      453 VPDLE 457

RESULT 79
US-11-065-943-36
; Sequence 36, Application US/11065943
; Publication No. US20050250131A1
; GENERAL INFORMATION:
; APPLICANT: JESTIN, JEAN-LUC
; APPLICANT: VICHIER-GUERRE, SOPHIE
; APPLICANT: FERRIS, STEPHANE
; TITLE OF INVENTION: METHODS FOR OBTAINING THERMOSTABLE ENZYMES, DNA POLYMERASE I
; TITLE OF INVENTION: VARIANTS FROM THERMUS AQUATICUS HAVING NEW CATALYTIC ACTIVITIES,
; TITLE OF INVENTION: METHODS FOR OBTAINING THE SAME, AND APPLICATIONS OF THE SAME
; FILE REFERENCE: 266426US0XCIP
; CURRENT APPLICATION NUMBER: US/11/065,943
; CURRENT FILING DATE: 2005-02-25
; PRIOR APPLICATION NUMBER: US 10/787,219
; PRIOR FILING DATE: 2004-02-27
; NUMBER OF SEQ ID NOS: 106
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 36
; LENGTH: 562
; TYPE: PRT
; ORGANISM: Thermus aquaticus
US-11-065-943-36

Query Match          31.2%; Score 5; DB 7; Length 562;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 VPDLE 14
Db      453 VPDLE 457

RESULT 80
US-11-065-943-38
; Sequence 38, Application US/11065943
; Publication No. US20050250131A1
; GENERAL INFORMATION:
; APPLICANT: JESTIN, JEAN-LUC
; APPLICANT: VICHIER-GUERRE, SOPHIE
; APPLICANT: FERRIS, STEPHANE
; TITLE OF INVENTION: METHODS FOR OBTAINING THERMOSTABLE ENZYMES, DNA POLYMERASE I
; TITLE OF INVENTION: VARIANTS FROM THERMUS AQUATICUS HAVING NEW CATALYTIC ACTIVITIES,
; TITLE OF INVENTION: METHODS FOR OBTAINING THE SAME, AND APPLICATIONS OF THE SAME
; FILE REFERENCE: 266426US0XCIP
; CURRENT APPLICATION NUMBER: US/11/065,943
```

; CURRENT FILING DATE: 2005-02-25
; PRIOR APPLICATION NUMBER: US 10/787,219
; PRIOR FILING DATE: 2004-02-27
; NUMBER OF SEQ ID NOS: 106
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 38
; LENGTH: 562
; TYPE: PRT
; ORGANISM: Thermus aquaticus
US-11-065-943-38

Query Match 31.2%; Score 5; DB 7; Length 562;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 VPDL 14
Db 453 VPDL 457

RESULT 81

US-11-072-512-2385
; Sequence 2385, Application US/11072512
; Publication No. US20060029945A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUUKO
; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAOBU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAOHICO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTOTYUKI
; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: Novel full length cDNA
; FILE REFERENCE: 084335-0191
; CURRENT APPLICATION NUMBER: US/11/072.512
; CURRENT FILING DATE: 2005-03-07
; PRIOR APPLICATION NUMBER: US 60/350,978
; PRIOR FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: JP 2001-379298
; PRIOR FILING DATE: 2001-11-05
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2385
; LENGTH: 641
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-072-512-2385

Query Match 31.2%; Score 5; DB 7; Length 641;
Best Local Similarity 100.0%; Pred. No. 2.9e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 11 PDLE 15
Db 77 PDLE 81

RESULT 82

US-10-131-826A-350
; Sequence 350, Application US/10131826A
; Publication No. US20050245730A1
; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C128
; CURRENT APPLICATION NUMBER: US/10/131.826A
; CURRENT FILING DATE: 2002-04-24
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 350
; LENGTH: 660
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-131-826A-350

Query Match 31.2%; Score 5; DB 6; Length 660;
Best Local Similarity 100.0%; Pred. No. 3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 VPDL 14
Db 652 VPDL 656

RESULT 83

US-11-072-512-3785
; Sequence 3785, Application US/11072512
; Publication No. US20060029945A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUUKO
; APPLICANT: HIO, YURI

```
; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAOHICO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTOTUKU
; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: Novel full length cDNA
; FILE REFERENCE: 084335-0191
; CURRENT APPLICATION NUMBER: US/11/072,512
; CURRENT FILING DATE: 2005-03-07
; PRIOR APPLICATION NUMBER: US 60/350,978
; PRIOR FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: JP 2001-379298
; PRIOR FILING DATE: 2001-11-05
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3785
; LENGTH: 697
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-072-512-3785

Query Match      31.2%; Score 5; DB 7; Length 697;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      9 AVPDL 13
DB      254 AVPDL 258

RESULT 84
US-10-793-626-2388
; Sequence 2388, Application US/10793626
; Publication No. US20050255478A1
; GENERAL INFORMATION:
; APPLICANT: KIMMERLY, WILLIAM JOHN
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
; FILE REFERENCE: PU3480US
; CURRENT APPLICATION NUMBER: US/10/793,626
; CURRENT FILING DATE: 2004-03-04
; PRIOR APPLICATION NUMBER: 60/164,258
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 4472
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2388
; LENGTH: 698
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
; OTHER INFORMATION: amino acid sequence
US-10-793-626-2388

Query Match      31.2%; Score 5; DB 6; Length 698;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 DLELP 16
DB      299 DLELP 303

RESULT 85
US-10-467-657-1442
; Sequence 1442, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SpA
; APPLICANT: FONTANA Maria Rita
```

```
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWin99, version 1.04
; SEQ ID NO 1442
; LENGTH: 728
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-1442

Query Match      31.2%; Score 5; DB 6; Length 728;
Best Local Similarity 100.0%; Pred. No. 3.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      9 AVPDL 13
DB      346 AVPDL 350

RESULT 86
US-10-467-657-6266
; Sequence 6266, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SpA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWin99, version 1.04
; SEQ ID NO 6266
; LENGTH: 741
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-6266

Query Match      31.2%; Score 5; DB 6; Length 741;
Best Local Similarity 100.0%; Pred. No. 3.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      8 FAVPD 12
DB      106 FAVPD 110

RESULT 87
US-11-072-512-2050
; Sequence 2050, Application US/11072512
; Publication No. US20060029945A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUUKO
; APPLICANT: HIO, YURI
```



```
; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAOHICO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTYUKI
; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: Novel full length cDNA
; FILE REFERENCE: 084335-0191
; CURRENT APPLICATION NUMBER: US/11/072,512
; CURRENT FILING DATE: 2005-03-07
; PRIOR APPLICATION NUMBER: US 60/350,978
; PRIOR FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: JP 2001-379298
; PRIOR FILING DATE: 2001-11-05
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2050
; LENGTH: 816
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-072-512-2050

Query Match 31.2%; Score 5; DB 7; Length 816;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 DLEP 16
Db 236 DLEP 240

RESULT 88
US-11-065-943-100
; Sequence 100, Application US/11065943
; Publication No. US20050250131A1
; GENERAL INFORMATION:
; APPLICANT: JESTIN, JEAN-LUC
; APPLICANT: VICHIER-GUERRE, SOPHIE
; APPLICANT: FERRIS, STEPHANE
; TITLE OF INVENTION: METHODS FOR OBTAINING THERMOSTABLE ENZYMES, DNA POLYMERASE I
; TITLE OF INVENTION: VARIANTS FROM THERMUS AQUATICUS HAVING NEW CATALYTIC ACTIVITIES.
; TITLE OF INVENTION: METHODS FOR OBTAINING THE SAME, AND APPLICATIONS OF THE SAME
; FILE REFERENCE: 266426USOXCIP
; CURRENT APPLICATION NUMBER: US/11/065,943
; CURRENT FILING DATE: 2005-02-25
; PRIOR APPLICATION NUMBER: US 10/787,219
; PRIOR FILING DATE: 2004-02-27
; NUMBER OF SEQ ID NOS: 106
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 100
; LENGTH: 832
; TYPE: PRT
; ORGANISM: Thermus aquaticus
US-11-065-943-100

Query Match 31.2%; Score 5; DB 7; Length 832;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 VPDLE 14
Db 730 VPDLE 734

RESULT 89
US-11-007-797A-11
; Sequence 11, Application US/11007797A
; Publication No. US20050260614A1
; GENERAL INFORMATION:
; APPLICANT: VisiGen Biotechnologies, Inc.
```

```
; TITLE OF INVENTION: REAL-TIME SEQUENCE DETERMINATION
; FILE REFERENCE: 00007/01PCT
; CURRENT APPLICATION NUMBER: US/11/007,797A
; CURRENT FILING DATE: 2004-12-08
; PRIOR APPLICATION NUMBER: 60/216594
; PRIOR FILING DATE: 2000-07-07
; NUMBER OF SEQ ID NOS: 57
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 11
; LENGTH: 832
; TYPE: PRT
; ORGANISM: Thermus aquaticus
US-11-007-797A-11

Query Match 31.2%; Score 5; DB 7; Length 832;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 VPDLE 14
Db 730 VPDLE 734

RESULT 90
US-11-007-642B-11
; Sequence 11, Application US/11007642B
; Publication No. US20050266424A1
; GENERAL INFORMATION:
; APPLICANT: VisiGen Biotechnologies, Inc.
; TITLE OF INVENTION: REAL-TIME SEQUENCE DETERMINATION
; FILE REFERENCE: 00007/01PCT
; CURRENT APPLICATION NUMBER: US/11/007,642B
; CURRENT FILING DATE: 2004-12-08
; PRIOR APPLICATION NUMBER: 60/216594
; PRIOR FILING DATE: 2000-07-07
; NUMBER OF SEQ ID NOS: 57
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 11
; LENGTH: 832
; TYPE: PRT
; ORGANISM: Thermus aquaticus
US-11-007-642B-11

Query Match 31.2%; Score 5; DB 7; Length 832;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 VPDLE 14
Db 730 VPDLE 734

RESULT 91
US-10-467-657-4290
; Sequence 4290, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SpA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWin99, version 1.04
; SEQ ID NO 4290
; LENGTH: 924
; TYPE: PRT
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```
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-4290

Query Match          31.2%; Score 5; DB 6; Length 924;
Best Local Similarity 100.0%; Pred. No. 4.1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      5 KSEFA 9
Db      570 KSEFA 574

RESULT 92
US-11-016-706-40
; Sequence 40, Application US/11016706
; Publication No. US20050244334A1
; GENERAL INFORMATION:
; APPLICANT: CASTILLO, GERARDO
; APPLICANT: LAKE, THOMAS P.
; APPLICANT: NGUYEN, BETH P.
; APPLICANT: SANDERS, VIRGINIA J.
; APPLICANT: SNOW, ALAN D.
; TITLE OF INVENTION: SMALL PEPTIDES FOR THE TREATMENT OF ALZHEIMER'S DISEASE AND
; OTHER BETA-AMYLOID PROTEIN FIBRILLOGENESIS DISORDERS
; FILE REFERENCE: PROTO. P03C13
; CURRENT APPLICATION NUMBER: US/11/016,706
; CURRENT FILING DATE: 2004-12-16
; PRIOR APPLICATION NUMBER: 09/962,955
; PRIOR FILING DATE: 2001-09-24
; PRIOR APPLICATION NUMBER: 09/938,275
; PRIOR FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: 08/947,057
; PRIOR FILING DATE: 1997-10-08
; NUMBER OF SEQ ID NOS: 89
; SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO 40
; LENGTH: 956
; TYPE: PRT
; ORGANISM: Mus musculus
US-11-016-706-40

Query Match          31.2%; Score 5; DB 7; Length 956;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      2 SLPKS 6
Db      883 SLPKS 887

RESULT 93
US-10-131-826A-198
; Sequence 198, Application US/10131826A
; Publication No. US20050245730A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Goddard, Audrey E.
; APPLICANT: Gottfredsen, Mary E.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
```

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; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330RIC128
; CURRENT APPLICATION NUMBER: US/10/131,826A
; CURRENT FILING DATE: 2002-04-24
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 198
; LENGTH: 1024
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-131-826A-198

Query Match          31.2%; Score 5; DB 6; Length 1024;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 YSLPK 5
Db      388 YSLPK 392

RESULT 94
US-11-024-959-483
; Sequence 483, Application US/11024959
; Publication No. US20060010516A1
; GENERAL INFORMATION:
; APPLICANT: FORSTER, RICHARD L.
; APPLICANT: CONNETT, MARIE B.
; APPLICANT: EMERSON, SARAH JANE
; APPLICANT: GRIGOR, MURRAY ROBERT
; APPLICANT: HIGGINS, COLLEEN M.
; APPLICANT: LUND, STEVEN TROY
; APPLICANT: MAGUSIN, ANDREAS
; APPLICANT: KODRZYCKI, BOB
; TITLE OF INVENTION: CELL CYCLE GENES AND RELATED METHODS
; FILE REFERENCE: 044463-0360
; CURRENT APPLICATION NUMBER: US/11/024,959
; CURRENT FILING DATE: 2004-12-30
; PRIOR APPLICATION NUMBER: 60/533,036
; PRIOR FILING DATE: 2003-12-30
; NUMBER OF SEQ ID NOS: 782
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 483
; LENGTH: 1214
; TYPE: PRT
; ORGANISM: Pinus radiata
US-11-024-959-483

Query Match          31.2%; Score 5; DB 7; Length 1214;
Best Local Similarity 100.0%; Pred. No. 5.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 DLPLP 16
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Db      879 DLELP 883
|||||
US-10-821-234-1283
; Sequence 1283, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pc_seq_genes Version 1.0
; SEQ ID NO 1283
; LENGTH: 1627
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-821-234-1283

Query Match      31.2%; Score 5; DB 6; Length 1627;
Best Local Similarity 100.0%; Pred. No. 7e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      12 DLELP 16
|||||
Db      111 DLELP 115

US-10-985-561-600
; Sequence 600, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 600
; LENGTH: 2261
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-995-561-600

Query Match      31.2%; Score 5; DB 6; Length 2261;
Best Local Similarity 100.0%; Pred. No. 9.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      2 SLPKS 6
|||||
Db      163 SLPKS 167

US-10-511-545-1
; Sequence 1, Application US/10511545
; Publication No. US20050289657A1
; GENERAL INFORMATION:
; APPLICANT: Evotec NeuroSciences GmbH
; TITLE OF INVENTION: Diagnostic and therapeutic use of an ATP-binding
; TITLE OF INVENTION: cassette gene and protein for neurodegenerative
```

```
; TITLE OF INVENTION: diseases
; FILE REFERENCE: P67818US1
; CURRENT APPLICATION NUMBER: US/10/511,545
; CURRENT FILING DATE: 2004-10-18
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 2261
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-511-545-1

Query Match      31.2%; Score 5; DB 6; Length 2261;
Best Local Similarity 100.0%; Pred. No. 9.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      2 SLPKS 6
|||||
Db      163 SLPKS 167

US-11-055-309A-9
; Sequence 9, Application US/11055309A
; Publication No. US20050282750A1
; GENERAL INFORMATION:
; APPLICANT: Schwartz, Daniel
; APPLICANT: Duncan, Keith
; APPLICANT: Bailey, Kathy
; APPLICANT: Kane, John
; APPLICANT: Ishida, Brian
; TITLE OF INVENTION: Treatment for Dark Adaptation
; FILE REFERENCE: HO-P02351US5
; CURRENT APPLICATION NUMBER: US/11/055,309A
; CURRENT FILING DATE: 2005-01-10
; PRIOR APPLICATION NUMBER: US 10/428,551
; PRIOR FILING DATE: 2003-05-02
; PRIOR APPLICATION NUMBER: US 10/313,641
; PRIOR FILING DATE: 2002-12-06
; PRIOR APPLICATION NUMBER: US 60/340,498
; PRIOR FILING DATE: 2001-12-07
; PRIOR APPLICATION NUMBER: US 60/415,864
; PRIOR FILING DATE: 2002-10-03
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 9
; LENGTH: 2261
; TYPE: PRT
; ORGANISM: HUMAN
US-11-055-309A-9

Query Match      31.2%; Score 5; DB 7; Length 2261;
Best Local Similarity 100.0%; Pred. No. 9.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      2 SLPKS 6
|||||
Db      163 SLPKS 167

US-11-055-309A-10
; Sequence 10, Application US/11055309A
; Publication No. US20050282750A1
; GENERAL INFORMATION:
; APPLICANT: Schwartz, Daniel
; APPLICANT: Duncan, Keith
; APPLICANT: Bailey, Kathy
; APPLICANT: Kane, John
; APPLICANT: Ishida, Brian
; TITLE OF INVENTION: Treatment for Dark Adaptation
; FILE REFERENCE: HO-P02351US5
; CURRENT APPLICATION NUMBER: US/11/055,309A
```

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; CURRENT FILING DATE: 2005-01-10
; PRIOR APPLICATION NUMBER: US 10/428,551
; PRIOR FILING DATE: 2003-05-02
; PRIOR APPLICATION NUMBER: US 10/313,641
; PRIOR FILING DATE: 2002-12-06
; PRIOR APPLICATION NUMBER: US 60/340,498
; PRIOR FILING DATE: 2001-12-07
; PRIOR APPLICATION NUMBER: US 60/415,864
; PRIOR FILING DATE: 2002-10-03
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 10
; LENGTH: 2261
; TYPE: PRT
; ORGANISM: HUMAN
US-11-055-309A-10

Query Match          31.2%; Score 5; DB 7; Length 2261;
Best Local Similarity 100.0%; Pred. No. 9.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      2 SLPKS 6
Db      163 SLPKS 167

RESULT 100
US-11-052-554A-142
; Sequence 142, Application US/11052554A
; Publication No US20050288866A1
; GENERAL INFORMATION:
; APPLICANT: Sachdeva, et al.
; TITLE OF INVENTION: COMPUTATIONAL METHOD FOR IDENTIFYING ADHESIN AND ADHESIN-LIKE
; TITLE OF INVENTION: PROTEINS OF THERAPEUTIC POTENTIAL
; FILE REFERENCE: 30853/40359A
; CURRENT APPLICATION NUMBER: US/11/052,554A
; CURRENT FILING DATE: 2005-02-07
; PRIOR APPLICATION NUMBER: US 60/589,227
; PRIOR FILING DATE: 2004-07-20
; PRIOR APPLICATION NUMBER: IN 173/DEL/2004
; PRIOR FILING DATE: 2004-02-06
; NUMBER OF SEQ ID NOS: 763
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 142
; LENGTH: 3157
; TYPE: PRT
; ORGANISM: Mycobacterium tuberculosis H37Rv
US-11-052-554A-142

Query Match          31.2%; Score 5; DB 7; Length 3157;
Best Local Similarity 100.0%; Pred. No. 1.3e+03;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      8 FAVPD 12
Db      1064 FAVPD 1068
```

Search completed: February 15, 2006, 09:58:02
Job time : 3.84869 secs

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OM protein - protein search, using sw model

Run on: February 15, 2006, 09:32:40 ; Search time 6.11556 Seconds
(without alignments)
216.303 Million cell updates/sec

Title: US-10-030-937-72

Perfect score: 16

Sequence: 1 YSLPKSFAPVDLELP 16

Scoring table: OIIGO

Gapop 60.0 , Gapext 60.0

Searched: 572060 seqs, 82675679 residues

Word size : 0

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0

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Post-processing: Listing first 150 summaries

Database : Issued Patents AA.*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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| 2 | 8 | 50.0 | 193 | 2 | US-09-183-841-1 |
| 3 | 6 | 37.5 | 155 | 2 | US-09-270-767-62426 |
| 4 | 6 | 37.5 | 112 | 2 | US-09-489-039A-14284 |
| 5 | 6 | 37.5 | 151 | 2 | US-09-605-703B-2140 |
| 6 | 6 | 37.5 | 219 | 2 | US-09-248-796A-16515 |
| 7 | 6 | 37.5 | 223 | 2 | US-09-543-681A-7057 |
| 8 | 6 | 37.5 | 253 | 2 | US-09-583-110-3681 |
| 9 | 6 | 37.5 | 255 | 2 | US-08-778-717-11 |
| 10 | 6 | 37.5 | 257 | 2 | US-08-778-717-13 |
| 11 | 6 | 37.5 | 258 | 2 | US-09-543-681A-8135 |
| 12 | 6 | 37.5 | 284 | 2 | US-09-107-433-4311 |
| 13 | 6 | 37.5 | 309 | 2 | US-09-902-540-13383 |
| 14 | 6 | 37.5 | 329 | 2 | US-09-719-108-6 |
| 15 | 6 | 37.5 | 330 | 2 | US-10-155-435-10 |
| 16 | 6 | 37.5 | 349 | 2 | US-09-270-767-42023 |
| 17 | 6 | 37.5 | 356 | 2 | US-09-270-767-46804 |
| 18 | 6 | 37.5 | 473 | 2 | US-09-252-991A-23441 |
| 19 | 6 | 37.5 | 534 | 2 | US-09-134-000C-5087 |
| 20 | 6 | 37.5 | 537 | 2 | US-08-886-886-17 |
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| 24 | 6 | 37.5 | 2329 | 2 | US-08-755-587-16 |
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| 35 | 6 | 37.5 | 3418 | 2 | US-08-986-106-4 | Sequence 4, Appli |
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| 50 | 5 | 31.2 | 54 | 2 | US-09-640-211A-2293 | Sequence 2293, Ap |
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| 53 | 5 | 31.2 | 59 | 2 | US-03-010-147B-8 | Sequence 8, Appli |
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| 64 | 5 | 31.2 | 86 | 2 | US-09-270-767-55198 | Sequence 55198, A |
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| 70 | 5 | 31.2 | 104 | 2 | US-09-025-769B-168 | Sequence 168, App |
| 71 | 5 | 31.2 | 104 | 2 | US-09-490-070A-168 | Sequence 168, App |
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| 80 | 5 | 31.2 | 109 | 2 | US-09-535-852-23 | Sequence 23, Appli |
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| 86 | 5 | 31.2 | 116 | 1 | US-08-846-134-1 | Sequence 1, Appli |
| 87 | 5 | 31.2 | 116 | 2 | US-09-010-147B-10 | Sequence 10, Appli |
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| 89 | 5 | 31.2 | 122 | 2 | US-09-949-016-11739 | Sequence 11739, A |
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| 94 | 5 | 31.2 | 134 | 2 | US-09-489-039A-7439 | Sequence 7439, Ap |
| 95 | 5 | 31.2 | 136 | 2 | US-09-833-328-15 | Sequence 15, Appli |
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104 5 31.2 162 2 US-09-919-497-88 Sequence 88, Appl
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106 5 31.2 164 2 US-09-248-796A-15857 Sequence 15857, A
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135 5 31.2 211 2 US-09-489-039A-9229 Sequence 9229, Ap
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148 5 31.2 231 2 US-09-654-466-2 Sequence 2, Appl
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150 5 31.2 236 2 US-09-489-039A-10250 Sequence 10250, A

ALIGNMENTS

RESULT 1
US-09-183-841-2
; Sequence 2, Application US/09183841
; Patent No. 6423680
; GENERAL INFORMATION:
; APPLICANT: Hospital for Sick Children
; TITLE OF INVENTION: A No. 6423680el Inhibitor of Platelet Activating Factor
; FILE REFERENCE: vanz0010
; CURRENT APPLICATION NUMBER: US/09/183,841
; CURRENT FILING DATE: 1998-10-30
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 178
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: His tag at residues 1 to 17

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Best Local Similarity 100.0%; Pred. No. 16;
Matches 6; Conservative 0; Mismatches 0; Gaps 0;

Qy 2 SLPKSE 7
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US-09-183-841-2
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: amino acid
; OTHER INFORMATION: sequence of GM2 protein using His6 tag
US-09-183-841-2
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Best Local Similarity 100.0%; Pred. No. 0.38;
Matches 8; Conservative 0; Mismatches 0; Gaps 0;

Qy 1 YSLPKSEF 8
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Db 130 YSLPKSEF 137

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; Sequence 1, Application US/09183841
; Patent No. 6423680
; GENERAL INFORMATION:
; APPLICANT: Hospital for Sick Children
; TITLE OF INVENTION: A No. 6423680el Inhibitor of Platelet Activating Factor
; FILE REFERENCE: vanz0010
; CURRENT APPLICATION NUMBER: US/09/183,841
; CURRENT FILING DATE: 1998-10-30
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 193
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SIGNAL
; LOCATION: (33)..(55)
; FEATURE:
; OTHER INFORMATION: residues 56-63 are included in a further precursor
; OTHER INFORMATION: form of the protein
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Best Local Similarity 100.0%; Pred. No. 0.41;
Matches 8; Conservative 0; Mismatches 0; Gaps 0;

Qy 1 YSLPKSEF 8
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Db 145 YSLPKSEF 152

RESULT 3
US-09-270-767-62426
; Sequence 62426, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 62426
; LENGTH: 55
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
; FEATURE:
; OTHER INFORMATION: Xaa means any amino acid
US-09-270-767-62426
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Best Local Similarity 100.0%; Pred. No. 16;
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Qy 2 SLPKSE 7
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Db 32 SLPKSE 37

RESULT 4

US-09-489-039A-14284

; Sequence 14284, Application US/09489039A

; Patent No. 6610836

; GENERAL INFORMATION:

; APPLICANT: Gary Breton et. al

; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA

; FILE REFERENCE: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS

; CURRENT APPLICATION NUMBER: US/09/489,039A

; CURRENT FILING DATE: 2000-01-27

; PRIOR APPLICATION NUMBER: US 60/117,747

; PRIOR FILING DATE: 1999-01-29

; NUMBER OF SEQ ID NOS: 14342

; SEQ ID NO 14284

; LENGTH: 112

; TYPE: PRT

; ORGANISM: Klebsiella pneumoniae

US-09-489-039A-14284

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Best Local Similarity 100.0%; Pred. No. 30;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 FAVPDL 13

Db 107 FAVPDL 112

RESULT 5

US-09-605-703B-2140

; Sequence 2140, Application US/09605703B

; Patent No. 6962989

; GENERAL INFORMATION:

; APPLICANT: Pompejus, Markus

; APPLICANT: Krogger, Burkhard

; APPLICANT: Schroder, Hartwig

; APPLICANT: Zelder, Oskar

; APPLICANT: Haberer, Gregor

; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING NOVEL

; FILE REFERENCE: BGI-129CP

; CURRENT APPLICATION NUMBER: US/09/605,703B

; CURRENT FILING DATE: 2000-06-27

; PRIOR APPLICATION NUMBER: 60/142,764

; PRIOR FILING DATE: 1999-07-08

; PRIOR APPLICATION NUMBER: 60/152,318

; PRIOR FILING DATE: 1999-09-03

; NUMBER OF SEQ ID NOS: 2934

; SEQ ID NO 2140

; LENGTH: 151

; TYPE: PRT

; ORGANISM: Corynebacterium glutamicum

US-09-605-703B-2140

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Best Local Similarity 100.0%; Pred. No. 40;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 AVPDLE 14

Db 23 AVPDLE 28

RESULT 6

US-09-248-796A-16515

; Sequence 16515, Application US/09248796A

; Patent No. 6747137

; GENERAL INFORMATION:

; APPLICANT: Keith Weinstock et al

; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN

; FILE REFERENCE: 107196.132

; CURRENT APPLICATION NUMBER: US/09/248,796A

; CURRENT FILING DATE: 1999-02-12

; PRIOR APPLICATION NUMBER: US 60/074,725

; PRIOR FILING DATE: 1998-02-13

; PRIOR APPLICATION NUMBER: US 60/096,409

; PRIOR FILING DATE: 1998-08-13

; NUMBER OF SEQ ID NOS: 28208

; SEQ ID NO 16515

; LENGTH: 219

; TYPE: PRT

; ORGANISM: Candida albicans

US-09-248-796A-16515

Query Match 37.5%; Score 6; DB 2; Length 219;

Best Local Similarity 100.0%; Pred. No. 57;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 5 KSEFAV 10

Db 207 KSEFAV 212

RESULT 7

US-09-543-681A-7057

; Sequence 7057, Application US/09543681A

; Patent No. 6605709

; GENERAL INFORMATION:

; APPLICANT: GARY BRETON

; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABIL

; FILE REFERENCE: 2709.1002-001

; CURRENT APPLICATION NUMBER: US/09/543,681A

; CURRENT FILING DATE: 2000-04-05

; PRIOR APPLICATION NUMBER: US 60/128,706

; PRIOR FILING DATE: 1999-04-09

; NUMBER OF SEQ ID NOS: 8344

; SEQ ID NO 7057

; LENGTH: 223

; TYPE: PRT

; ORGANISM: Proteus mirabilis

US-09-543-681A-7057

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Best Local Similarity 100.0%; Pred. No. 58;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 EFAVPD 12

Db 117 EFAVPD 122

RESULT 8

US-09-583-110-3681

; Sequence 3681, Application US/09583110

; Patent No. 6699703

; GENERAL INFORMATION:

; APPLICANT: Lynn Doucette-Stamm et al.

; TITLE OF INVENTION: Nucleic Acid and Amino Acid Sequences Relating to Streptococcus

; FILE REFERENCE: Pneumoniae for Diagnostics and Therapeutics

; CURRENT APPLICATION NUMBER: US/09/583,110

; CURRENT FILING DATE: 2000-05-26

; PRIOR APPLICATION NUMBER: US 09/107,433

; PRIOR FILING DATE: 1998-06-30

; PRIOR APPLICATION NUMBER: US 60/085,131

; PRIOR FILING DATE: 1998-05-12

; PRIOR APPLICATION NUMBER: US 60/051,553

; PRIOR FILING DATE: 1997-07-02

; NUMBER OF SEQ ID NOS: 5322

; SEQ ID NO 3681

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; LENGTH: 253
; TYPE: PRT
; ORGANISM: Streptococcus pneumoniae
US-09-583-110-3681

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Best Local Similarity 100.0%; Pred. No. 65;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 5 KSEFAV 10
Db 43 KSEFAV 48

RESULT 9
US-08-778-717-11
; Sequence 11, Application US/08778717
; Patent No. 6602689
; GENERAL INFORMATION:
; APPLICANT: UENO, EIICHI
; APPLICANT: NOBUYUKI, FUJII
; APPLICANT: OKADA, MASAHISA
; TITLE OF INVENTION: FUSED DNA SEQUENCE, FUSED PROTEIN
; TITLE OF INVENTION: EXPRESSED FROM SAID FUSED DNA SEQUENCE AND METHOD FOR
; TITLE OF INVENTION: EXPRESSING SAID DNA SEQUENCE
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY, SUITE 400
; CITY: ARLINGTON
; STATE: VA
; COUNTRY: USA
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/778,717
; FILING DATE: 12-DEC-1996
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 352225/1995
; FILING DATE: 28-DEC-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: OBLON, NORMAN F.
; REGISTRATION NUMBER: 24,618
; REFERENCE/DOCKET NUMBER: 2084-031-0
; TELEPHONE: 703-413-3000
; TELEFAX: 703-413-2220
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 255 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; ORIGINAL SOURCE:
; ORGANISM: RECOMBINANT
; PUBLICATION INFORMATION:
; AUTHORS: NOBUYUKI FUJII ET AL,
; TITLE: FUSED DNA SEQUENCE, FUSED PROTEIN EXPRESSED
; TITLE: FROM SAID FUSED DNA SEQUENCE AND METHOD OF
; TITLE: EXPRESSING SAID FUSED PROTEIN
; RELEVANT RESIDUES IN SEQ ID NO: 11: FROM 1 TO 255
US-08-778-717-11

Query Match      37.5%; Score 6; DB 2; Length 255;
Best Local Similarity 100.0%; Pred. No. 66;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 SEFAVP 11
Db 77 SEFAVP 82

US-08-778-717-13
; Sequence 13, Application US/08778717
; Patent No. 6602689
; GENERAL INFORMATION:
; APPLICANT: UENO, EIICHI
; APPLICANT: NOBUYUKI, FUJII
; APPLICANT: OKADA, MASAHISA
; TITLE OF INVENTION: FUSED DNA SEQUENCE, FUSED PROTEIN
; TITLE OF INVENTION: EXPRESSED FROM SAID FUSED DNA SEQUENCE AND METHOD FOR
; TITLE OF INVENTION: EXPRESSING SAID DNA SEQUENCE
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY, SUITE 400
; CITY: ARLINGTON
; STATE: VA
; COUNTRY: USA
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/778,717
; FILING DATE: 12-DEC-1996
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 352225/1995
; FILING DATE: 28-DEC-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: OBLON, NORMAN F.
; REGISTRATION NUMBER: 24,618
; REFERENCE/DOCKET NUMBER: 2084-031-0
; TELEPHONE: 703-413-3000
; TELEFAX: 703-413-2220
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 257 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; ORIGINAL SOURCE:
; ORGANISM: RECOMBINANT
; PUBLICATION INFORMATION:
; AUTHORS: NOBUYUKI FUJII ET AL,
; TITLE: FUSED DNA SEQUENCE, FUSED PROTEIN EXPRESSED
; TITLE: FROM SAID FUSED DNA SEQUENCE AND METHOD OF
; TITLE: EXPRESSING SAID FUSED PROTEIN
; RELEVANT RESIDUES IN SEQ ID NO: 13: FROM 1 TO 257
US-08-778-717-13

Query Match      37.5%; Score 6; DB 2; Length 257;
Best Local Similarity 100.0%; Pred. No. 66;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 SEFAVP 11
Db 77 SEFAVP 82

RESULT 11
US-09-543-681A-8135
```



```
; Sequence 8135, Application US/09543681A
; Patent No. 6605709
; GENERAL INFORMATION:
; APPLICANT: GARY BRETON
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABILIS
; FILE REFERENCE: 2709.1002-001
; CURRENT APPLICATION NUMBER: US/09/543,681A
; CURRENT FILING DATE: 2000-04-05
; PRIOR APPLICATION NUMBER: US 60/128,706
; PRIOR FILING DATE: 1999-04-09
; NUMBER OF SEQ ID NOS: 8344
; SEQ ID NO 8135
; LENGTH: 258
; TYPE: PRT
; ORGANISM: Proteus mirabilis
; US-09-543-681A-8135

Query Match          37.5%; Score 6; DB 2; Length 258;
Best Local Similarity 100.0%; Pred. No. 66;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      2 SLPKSE 7
Db      165 SLPKSE 170

RESULT 12
US-09-107-433-4311
; Sequence 4311, Application US/09107433
; Patent No. 6800744
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID
; SEQUENCES RELATING TO STREPTOCOCCUS PNEUMONIAE FOR DIAGNO
; THERAPEUTICS
; NUMBER OF SEQUENCES: 5206
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-ROM ISO9660
; COMPUTER: <Unknown>
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: <Unknown>
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,433
; FILING DATE: 30-Jun-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/ 085131
; FILING DATE: May 12, 1998
; APPLICATION NUMBER: 60/051553
; FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ariniello, Pamela Deneke
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-011
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 4311:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 284 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: YES
; ORIGINAL SOURCE:
; ORGANISM: Streptococcus pneumoniae
```

```
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (B) LOCATION 1...284
; SEQUENCE DESCRIPTION: SEQ ID NO: 4311:
US-09-107-433-4311

Query Match          37.5%; Score 6; DB 2; Length 284;
Best Local Similarity 100.0%; Pred. No. 73;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      5 KSEPAV 10
Db      74 KSEPAV 79

RESULT 13
US-09-902-540-13383
; Sequence 13383, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 13383
; LENGTH: 309
; TYPE: PRT
; ORGANISM: Myxococcus xanthus
; US-09-902-540-13383

Query Match          37.5%; Score 6; DB 2; Length 309;
Best Local Similarity 100.0%; Pred. No. 79;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      11 PDLELP 16
Db      55 PDLELP 60

RESULT 14
US-09-719-108-6
; Sequence 6, Application US/09719108
; Patent No. 6670527
; GENERAL INFORMATION:
; APPLICANT: Thomas, Stephen G
; APPLICANT: Hedden, Peter
; APPLICANT: Phillips, Andrew L
; TITLE OF INVENTION: Gibberellin 2-Oxidase
; FILE REFERENCE: 0623.0970000
; CURRENT APPLICATION NUMBER: US/09/719,108
; CURRENT FILING DATE: 2000-12-08
; PRIOR APPLICATION NUMBER: PCT/GB99/01857
; PRIOR FILING DATE: 1999-06-11
; PRIOR APPLICATION NUMBER: GB 9812821.8
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: GB 9815404.0
; PRIOR FILING DATE: 1998-07-15
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 6
; LENGTH: 329
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
; US-09-719-108-6

Query Match          37.5%; Score 6; DB 2; Length 329;
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; Best Local Similarity 100.0%; Pred. No. 84;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 SLPKSE 7
    |||||
Db 66 SLPKSE 71

RESULT 15
US-10-155-435-10
; Sequence 10, Application US/10155435
; Patent No. 6921849
; GENERAL INFORMATION:
; APPLICANT: Amasino, Richard M.
; APPLICANT: Schomburg, Fritz M.
; APPLICANT: Michaels, Scott D.
; APPLICANT: Bizzell, Colleen M.
; TITLE OF INVENTION: Dwarfism Genes and Dwarf Plants
; FILE REFERENCE: 960296.97605
; CURRENT APPLICATION NUMBER: US/10/155,435
; CURRENT FILING DATE: 2002-05-23
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 10
; LENGTH: 330
; TYPE: PRT
; ORGANISM: Arabidopsis
US-10-155-435-10

Query Match 37.5%; Score 6; DB 2; Length 330;
Best Local Similarity 100.0%; Pred. No. 84;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 SLPKSE 7
    |||||
Db 66 SLPKSE 71

RESULT 16
US-09-270-767-42023
; Sequence 42023, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 42023
; LENGTH: 349
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-42023

Query Match 37.5%; Score 6; DB 2; Length 349;
Best Local Similarity 100.0%; Pred. No. 88;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 11 PDLELP 16
    |||||
Db 200 PDLELP 205

RESULT 17
US-09-270-767-46804
; Sequence 46804, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
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```
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 46804
; LENGTH: 356
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
; FEATURE:
; OTHER INFORMATION: Xaa means any amino acid
US-09-270-767-46804

Query Match 37.5%; Score 6; DB 2; Length 356;
Best Local Similarity 100.0%; Pred. No. 90;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 SLPKSE 7
    |||||
Db 333 SLPKSE 338

RESULT 18
US-09-252-991A-23441
; Sequence 23441, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 23441
; LENGTH: 473
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-23441

Query Match 37.5%; Score 6; DB 2; Length 473;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 AVPDLE 14
    |||||
Db 256 AVPDLE 261

RESULT 19
US-09-134-000C-5087
; Sequence 5087, Application US/09134000C
; Patent No. 6617156
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; FILE REFERENCE: 032796-032
; CURRENT APPLICATION NUMBER: US/09/134,000C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/055,778
; PRIOR FILING DATE: 1997-08-15
; NUMBER OF SEQ ID NOS: 6812
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5087
; LENGTH: 534
; TYPE: PRT
; ORGANISM: Enterococcus faecalis
US-09-134-000C-5087
```

```
Query Match          37.5%; Score 6; DB 2; Length 534;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy  2 SLPKSE 7
    |||||
Db  1 SLPKSE 6

RESULT 20
US-08-886-886-17
; Sequence 17, Application US/08886886
; Patent No. 6107068
; GENERAL INFORMATION:
; APPLICANT: Katz, Leonard
; APPLICANT: Delcardayre, Stephen B.
; APPLICANT: Davies, Julian E.
; TITLE OF INVENTION: COENZYME A DISULFIDE REDUCTASE,
; TITLE OF INVENTION: AND INHIBITORS THEREOF USEFUL AS ANTIMICROBIAL
; TITLE OF INVENTION: AGENTS
; NUMBER OF SEQUENCES: 40
; CORRESPONDENCE ADDRESS:
; ADDRESS: 100 Abbott Laboratories
; STREET: 100 Abbott Park Road
; CITY: Abbott Park
; STATE: IL
; COUNTRY: USA
; ZIP: 60064-3500
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/886.886
; FILING DATE: 02-JUL-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Casuto, Dianne
; REGISTRATION NUMBER: 40,943
; REFERENCE/DOCKET NUMBER: 6016.US.P1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 847-938-3137
; TELEFAX: 847-938-2623
; TELEX:
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 537 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; US-08-886-886-17

Query Match          37.5%; Score 6; DB 2; Length 537;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy  11 PDLELP 16
    |||||
Db  420 PDLELP 425

RESULT 21
US-09-107-532A-5905
; Sequence 5905, Application US/09107532A
; Patent No. 6583275
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
```

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; ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 7310
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-ROM ISO9660
; COMPUTER: PC
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107.532A
; FILING DATE: 30-Jun-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/085.598
; FILING DATE: 14 May 1998
; APPLICATION NUMBER: 60/051571
; FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ariniello, Pamela Deneke
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-012
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 5905:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 547 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: YES
; ORIGINAL SOURCE:
; ORGANISM: Enterococcus faecium
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (B) LOCATION 1...547
; SEQUENCE DESCRIPTION: SEQ ID NO: 5905:
US-09-107-532A-5905

Query Match          37.5%; Score 6; DB 2; Length 547;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy  11 PDLELP 16
    |||||
Db  430 PDLELP 435

RESULT 22
US-09-489-039A-14205
; Sequence 14205, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489.039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 14205
; LENGTH: 580
; TYPE: PRT
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-14205
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Query Match      37.5%; Score 6; DB 2; Length 580;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 YSLPKS 6
Db      92 YSLPKS 97

RESULT 23
US-09-252-991A-17616
; Sequence 17616, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 17616
; LENGTH: 834
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-17616

Query Match      37.5%; Score 6; DB 2; Length 834;
Best Local Similarity 100.0%; Pred. No. 2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      9 AVPDLE 14
Db      573 AVPDLE 578

RESULT 24
US-08-755-587-16
; Sequence 16, Application US/08755587
; Patent No. 6045997
; GENERAL INFORMATION:
; APPLICANT: Futreal, Phillip A
; APPLICANT: Wooster, Richard F
; APPLICANT: Ashworth, Alan
; APPLICANT: Stratton, Michael R
; TITLE OF INVENTION: Materials and methods relating to the
; TITLE OF INVENTION: identification and sequencing of the BRCA2 cancer
; TITLE OF INVENTION: susceptibility gene and uses thereof.
; NUMBER OF SEQUENCES: 222
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Bell Seltzer Park & Gibson
; STREET: 310 UCB Plaza, 3605 Glenwood Avenue, PO Drawer 31107
; CITY: Raleigh
; STATE: NC
; COUNTRY: USA
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/755,587
; FILING DATE: 25-NOV-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9523959.6
; FILING DATE: 23-NOV-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9525555.0
; FILING DATE: 14-DEC-1995
```

```
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9617961.9
; FILING DATE: 28-AUG-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Kenneth D Sibley
; REGISTRATION NUMBER: 31,665
; REFERENCE/DOCKET NUMBER: 5405-135
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2329 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-755-587-16

Query Match      37.5%; Score 6; DB 2; Length 2329;
Best Local Similarity 100.0%; Pred. No. 5.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      2 SLPKSE 7
Db      170 SLPKSE 175

RESULT 25
US-09-632-033B-3
; Sequence 3, Application US/09632033B
; Patent No. 6949624
; GENERAL INFORMATION:
; APPLICANT: Liu, Johnson M.
; APPLICANT: Wang, Jianxiang
; TITLE OF INVENTION: CLONING OF THE HUMAN NUCLEAR RECEPTOR
; TITLE OF INVENTION: CO-REPRESSOR GENE
; FILE REFERENCE: NIH172.001A
; CURRENT APPLICATION NUMBER: US/09/632,033B
; CURRENT FILING DATE: 2000-08-09
; PRIOR APPLICATION NUMBER: 60/146,977
; PRIOR FILING DATE: 1999-08-03
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 2440
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-632-033B-3

Query Match      37.5%; Score 6; DB 2; Length 2440;
Best Local Similarity 100.0%; Pred. No. 5.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      7 EFAVPD 12
Db      37 EFAVPD 42

RESULT 26
US-09-949-016-9675
; Sequence 9675, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
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; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 9675
; LENGTH: 2451
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-9675

Query Match          37.5%; Score 6; DB 2; Length 2451;
Best Local Similarity 100.0%; Pred. No. 5.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 EFAVPD 12
Db 48 EFAVPD 53

RESULT 27
US-09-632-033B-4
; Sequence 4, Application US/09632033B
; Patent No. 694624
; GENERAL INFORMATION:
; APPLICANT: Liu, Johnson M.
; APPLICANT: Wang, Jianxiang
; TITLE OF INVENTION: CLONING OF THE HUMAN NUCLEAR RECEPTOR
; TITLE OF INVENTION: CO-REPRESSOR GENE
; FILE REFERENCE: NIH172.001A
; CURRENT APPLICATION NUMBER: US/09/632.033B
; CURRENT FILING DATE: 2000-08-09
; PRIOR APPLICATION NUMBER: 60/146,977
; PRIOR FILING DATE: 1999-08-03
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 2453
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-632-033B-4

Query Match          37.5%; Score 6; DB 2; Length 2453;
Best Local Similarity 100.0%; Pred. No. 5.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 EFAVPD 12
Db 37 EFAVPD 42

RESULT 28
US-09-413-814-28
; Sequence 28, Application US/09413814
; Patent No. 6225064
; GENERAL INFORMATION:
; APPLICANT: Gesellschaft fuer Biotechnologische Forschung mbH
; APPLICANT: Bristol-Myers Squibb, Co.
; APPLICANT: Beyer, Stefan
; APPLICANT: Bloecker, Helmut
; APPLICANT: Brandt, Petra
; APPLICANT: Cino, Paul M
; APPLICANT: Dougherty, Brian A
; APPLICANT: Goldberg, Steven L
; APPLICANT: Hoffe, Gerhard
; APPLICANT: Mueller, Joachim
; APPLICANT: Reichenbach, Hans
; TITLE OF INVENTION: DNA sequences for enzymatic synthesis of polyketide or
; FILE REFERENCE: PCT/US 99/23535
; CURRENT APPLICATION NUMBER: US/09/413,814
; CURRENT FILING DATE: 1999-10-07
; EARLIER APPLICATION NUMBER: DE 198 46 493.2
; PRIOR FILING DATE: 1998-10-09
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 28

; LENGTH: 2618
; TYPE: PRT
; ORGANISM: Sorangium cellulosum
US-09-413-814-28

Query Match          37.5%; Score 6; DB 2; Length 2618;
Best Local Similarity 100.0%; Pred. No. 5.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 VPDLEL 15
Db 86 VPDLEL 91

RESULT 29
US-08-639-501-2
; Sequence 2, Application US/08639501
; Patent No. 5837492
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Kamb, Alexander
; APPLICANT: Simard, Jacques
; APPLICANT: Couch, Fergus
; APPLICANT: Rommens, Johanna
; APPLICANT: Weber, Barbara
; TITLE OF INVENTION: Chromosome 13-Linked Breast Cancer
; TITLE OF INVENTION: Susceptibility Gene
; NUMBER OF SEQUENCES: 124
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Venable, Baetjer, Howard & Civiletti
; STREET: 1201 New York Avenue N.W., Suite 1001
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 22204
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/639,501
; FILING DATE: 29-APR-1996
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/585,391
; FILING DATE: 11-JAN-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/576,559
; FILING DATE: 21-DEC-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/575,359
; FILING DATE: 20-DEC-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/573,779
; FILING DATE: 18-DEC-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Ihnen, Jeffrey L.
; REGISTRATION NUMBER: 28,957
; REFERENCE/DOCKET NUMBER: 24884-116802-04
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-962-4810
; TELEFAX: 202-962-8300
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3418 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-639-501-2

Query Match          37.5%; Score 6; DB 1; Length 3418;
Best Local Similarity 100.0%; Pred. No. 7.5e+02;
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Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 SLPKSE 7
|||||

Db 451 SLPKSE 456

RESULT 30
US-08-603-753D-4
; Sequence 4, Application US/08603753D
; Patent No. 5891857
; GENERAL INFORMATION:
; APPLICANT: HOLT, JEFFREY T.
; APPLICANT: JENSEN, ROY A.
; APPLICANT: PAGE, DAVID L.
; APPLICANT: KING, MARY-CLAIRE
; APPLICANT: SZABO, CSILLA I.
; APPLICANT: JETTON, THOMAS L.
; APPLICANT: ROBINSON-BENTON, CHERYL L.
; APPLICANT: THOMPSON, MARILYN E.
; TITLE OF INVENTION: CHARACTERIZED BRCA1 AND BRCA2
; TITLE OF INVENTION: PROTEINS AND SCREENING AND THERAPEUTIC METHODS BASED ON
; TITLE OF INVENTION: CHARACTERIZED BRCA1 AND BRCA2 PROTEINS.
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ARLES A. TAYLOR, JR.
; STREET: SUITE 1401, UNIVERSITY TOWER, 3100 TOWER
; STREET: BOULEVARD
; CITY: DURHAM
; STATE: NORTH CAROLINA
; COUNTRY: USA
; ZIP: 27707
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 800 KB storage
; COMPUTER: IBM PC/XT/AT compatible
; OPERATING SYSTEM: Windows 3.1
; SOFTWARE: WORD PERFECT 6.1 and ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/603,753D
; FILING DATE: 20 FEB 1996
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: U.S. 08/373,799
; FILING DATE: 17 JAN 1995
; ATTORNEY/AGENT INFORMATION:
; NAME: ARLES A. TAYLOR JR.
; REGISTRATION NUMBER: 39,395
; REFERENCE/DOCKET NUMBER: 1242/2
; TELEPHONE: (919) 493-8000
; TELEFAX: (919) 419-0383
; TELEX:
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3418
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; HYPOTHETICAL: no
; ANTI-SENSE: no
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens sapiens
; INDIVIDUAL ISOLATE:
; DEVELOPMENTAL STAGE: adult
; TISSUE TYPE: female breast
; CELL TYPE: normal breast tissue
; CELL LINE: HMEC
; ORGANELLE: no
; FEATURE:
; NAME/KEY: BRCA2 protein
; LOCATION: 1 to 3418; Genbank locus HSU43746
; IDENTIFICATION METHOD:

; OTHER INFORMATION: BRCA2 protein has a negative
; OTHER INFORMATION: regulatory effect on growth of human mammary cells.
; PUBLICATION INFORMATION:
; AUTHORS: Wooster, R. et al.
; TITLE: Identification of the breast cancer
; TITLE: susceptibility gene BRCA2
; JOURNAL: Nature
; VOLUME: 379
; PAGES: 789-792
; DATE: 1995
; RELEVANT RESIDUES IN SEQ ID NO: 4: granin box
; RELEVANT RESIDUES IN SEQ ID NO: domain at amino acids 3334-3344
; US-08-603-753D-4

Query Match 37.5%; Score 6; DB 1; Length 3418;
Best Local Similarity 100.0%; Pred. No. 7.5e-02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 SLPKSE 7
|||||

Db 451 SLPKSE 456

RESULT 31
US-09-044-946-2
; Sequence 2, Application US/09044946
; Patent No. 6033857
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Kamb, Alexander
; APPLICANT: Simard, Jacques
; APPLICANT: Couch, Fergus
; APPLICANT: Rommens, Johanna
; APPLICANT: Weber, Barbara
; TITLE OF INVENTION: Chromosome 13-Linked Breast Cancer
; TITLE OF INVENTION: Susceptibility Gene
; NUMBER OF SEQUENCES: 124
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Venable, Baetjer, Howard & Civiletti
; STREET: 1201 New York Avenue N.W., Suite 1001
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 22204
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/044,946
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/639,501
; FILING DATE:
; PRIOR APPLICATION DATA: US 08/576,559
; APPLICATION NUMBER: 21-DEC-1995
; FILING DATE: 21-DEC-1995
; PRIOR APPLICATION DATA: US 08/575,359
; APPLICATION NUMBER: 20-DEC-1995
; FILING DATE: 20-DEC-1995
; PRIOR APPLICATION DATA: US 08/573,779
; APPLICATION NUMBER: 18-DEC-1995
; FILING DATE: 18-DEC-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Ihnen, Jeffrey L.
; REGISTRATION NUMBER: 28,957
; REFERENCE/DOCKET NUMBER: 24884-116802-04
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-962-4810
; TELEFAX: 202-962-8300
; INFORMATION FOR SEQ ID NO: 2:

```

; SEQUENCE CHARACTERISTICS:
; LENGTH: 3418 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-044-946-2

Query Match          37.5%; Score 6; DB 2; Length 3418;
Best Local Similarity 100.0%; Pred. No. 7.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      2 SLPKSE 7
Db      451 SLPKSE 456

RESULT 32
US-08-755-587-44
; Sequence 44, Application US/08755587
; Patent No. 6045997
; GENERAL INFORMATION:
; APPLICANT: Futreal, Phillip A
; APPLICANT: Wooster, Richard F
; APPLICANT: Ashworth, Alan
; APPLICANT: Stratton, Michael R
; TITLE OF INVENTION: Materials and methods relating to the
; TITLE OF INVENTION: identification and sequencing of the BRCA2 cancer
; TITLE OF INVENTION: susceptibility gene and uses thereof.
; NUMBER OF SEQUENCES: 222
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Bell Seltzer Park & Gibson
; STREET: 310 UCB Plaza, 3605 Glenwood Avenue, PO Drawer 31107
; CITY: Raleigh
; STATE: NC
; COUNTRY: USA
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/755,587
; FILING DATE: 25-NOV-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9523959.6
; FILING DATE: 23-NOV-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9525555.0
; FILING DATE: 14-DEC-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9617961.9
; FILING DATE: 28-AUG-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Kenneth D Sibley
; REGISTRATION NUMBER: 31,665
; REFERENCE/DOCKET NUMBER: 5405-135
; INFORMATION FOR SEQ ID NO: 44:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3418 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-755-587-44

Query Match          37.5%; Score 6; DB 2; Length 3418;
Best Local Similarity 100.0%; Pred. No. 7.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      2 SLPKSE 7
Db      451 SLPKSE 456

; SEQUENCE CHARACTERISTICS:
; LENGTH: 3418 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-044-908-2

Query Match          37.5%; Score 6; DB 2; Length 3418;
Best Local Similarity 100.0%; Pred. No. 7.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      2 SLPKSE 7
Db      451 SLPKSE 456

RESULT 33
US-09-044-908-2
; Sequence 2, Application US/09044908
; Patent No. 6124104
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Kamb, Alexander
; APPLICANT: Simard, Jacques
; APPLICANT: Couch, Fergus
; APPLICANT: Rommens, Johanna
; APPLICANT: Weber, Barbara
; TITLE OF INVENTION: Chromosome 13-Linked Breast Cancer
; TITLE OF INVENTION: Susceptibility Gene
; NUMBER OF SEQUENCES: 124
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Venable, Baetjer, Howard & Civiletti
; STREET: 1201 New York Avenue N.W., Suite 1001
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 22204
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/044,908
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/639,501
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/576,559
; FILING DATE: 21-DEC-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/575,359
; FILING DATE: 20-DEC-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/573,779
; FILING DATE: 18-DEC-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Ihnen, Jeffrey L.
; REGISTRATION NUMBER: 28,957
; REFERENCE/DOCKET NUMBER: 24884-116802-04
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-962-4810
; TELEFAX: 202-962-8300
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3418 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-044-908-2

Query Match          37.5%; Score 6; DB 2; Length 3418;
Best Local Similarity 100.0%; Pred. No. 7.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      2 SLPKSE 7
Db      451 SLPKSE 456

RESULT 34
US-09-099-753-4
; Sequence 4, Application US/09099753
; Patent No. 6149903
; GENERAL INFORMATION:
; APPLICANT: HOLT, JEFFREY T.
; APPLICANT: JENSEN, ROY A.
```

APPLICANT: PAGE, DAVID L.
APPLICANT: KING, MARY-CLAIRE
APPLICANT: SZABO, CSILLA I.
APPLICANT: JETTON, THOMAS L.
APPLICANT: ROBINSON-BENION, CHERYL L.
APPLICANT: THOMPSON, MARILYN E.
TITLE OF INVENTION: CHARACTERIZED BRCA1 AND BRCA2
TITLE OF INVENTION: PROTEINS AND SCREENING AND THERAPEUTIC METHODS BASED ON
TITLE OF INVENTION: CHARACTERIZED BRCA1 AND BRCA2 PROTEINS.
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSEE: ARLES A. TAYLOR, JR.
STREET: SUITE 1401, UNIVERSITY TOWER, 3100 TOWER
STREET: BOULEVARD
CITY: DURHAM
STATE: NORTH CAROLINA
COUNTRY: USA
ZIP: 27707
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 800 KB storage
COMPUTER: IBM PC/XT/AT compatible
OPERATING SYSTEM: Windows 3.1
SOFTWARE: WORD PERFECT 6.1 and ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/099,753
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/603,753
FILING DATE: 20 FEB 1996
APPLICATION NUMBER: U.S. 08/373,799
FILING DATE: 17 JAN 1995
ATTORNEY/AGENT INFORMATION:
NAME: ARLES A. TAYLOR, JR.
REGISTRATION NUMBER: 39,395
REFERENCE/DOCKET NUMBER: 1242/2
TELEPHONE: (919) 493-8000
TELEFAX: (919) 419-0383
TELEX:
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 3418
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: unknown
MOLECULE TYPE: protein
HYPOTHETICAL: no
ANTI-SENSE: no
ORIGINAL SOURCE:
ORGANISM: Homo sapiens sapiens
INDIVIDUAL ISOLATE:
DEVELOPMENTAL STAGE: adult
TISSUE TYPE: female breast
CELL TYPE: normal breast tissue
CELL LINE: HMEC
ORGANELLE: no
FEATURE:
NAME/KEY: BRCA2 protein
LOCATION: 1 to 3418; Genbank locus HSU43746
IDENTIFICATION METHOD:
OTHER INFORMATION: BRCA2 protein has a negative
OTHER INFORMATION: regulatory effect on growth of human mammary cells.
PUBLICATION INFORMATION:
AUTHORS: Wooster, R. et al.
TITLE: Identification of the breast cancer
TITLE: susceptibility gene BRCA2
JOURNAL: Nature
VOLUME: 379
PAGES: 789-792
DATE: 1995
RELEVANT RESIDUES IN SEQ ID NO: 4: granin box
RELEVANT RESIDUES IN SEQ ID NO: domain at amino acids 3334-3344

US-09-099-753--4
Query Match 37.5%; Score 6; DB 2; Length 3418;
Best Local Similarity 100.0%; Pred. No. 7.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 2 SLPKSE 7
Db 451 SLPKSE 456
RESULT 35
US-08-986-106-4
; Sequence 4, Application US/08986106
; Patent No. 6177410
; GENERAL INFORMATION:
; APPLICANT: HOLT, JEFFREY T.
; APPLICANT: JENSEN, ROY A.
; APPLICANT: KING, MARY-CLAIRE
; APPLICANT: STEINER, MITCHELL S.
; APPLICANT: ROBINSON-BENION, CHERYL L.
; APPLICANT: THOMPSON, MARILYN E.
; TITLE OF INVENTION: THERAPEUTIC METHODS FOR
; TITLE OF INVENTION: PROSTATE CANCER
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ARLES A. TAYLOR, JR.
; STREET: SUITE 1401, UNIVERSITY TOWER, 3100 TOWER
; STREET: BOULEVARD
; CITY: DURHAM
; STATE: NORTH CAROLINA
; COUNTRY: USA
; ZIP: 27707
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.44MB storage
; COMPUTER: IBM PC/XT/AT compatible
; OPERATING SYSTEM: Windows 3.1
; SOFTWARE: WORD PERFECT 6.1 and ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/986,106
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/603,753
; FILING DATE: 20 FEB 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: ARLES A. TAYLOR, JR.
; REGISTRATION NUMBER: 39,395
; REFERENCE/DOCKET NUMBER: 1242/3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (919) 493-8000
; TELEFAX: (919) 419-0383
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3418
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: unknown
; FEATURE:
; NAME/KEY: BRCA2 protein
; PUBLICATION INFORMATION:
; AUTHORS: Wooster, R. et al.
; TITLE: Identification of the breast cancer
; TITLE: susceptibility gene BRCA2
; JOURNAL: Nature
; VOLUME: 379
; PAGES: 789-792
; DATE: 1995
; RELEVANT RESIDUES IN SEQ ID NO: 4: granin box domain at
; RELEVANT RESIDUES IN SEQ ID NO: amino acids 3334-3344
US-08-986-106-4
Query Match 37.5%; Score 6; DB 2; Length 3418;


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Best Local Similarity 100.0%; Pred. No. 7.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 SLPKSE 7
Db 451 SLPKSE 456

RESULT 36
US-08-467-607-12
; Sequence 12, Application US/08467607
; Patent No. 5783434
; GENERAL INFORMATION:
; APPLICANT: TUNG, JAY S.
; APPLICANT: SINHA, SUKANTO
; APPLICANT: MCCONLOGUE, LISA
; APPLICANT: TATSUNO, GWEN
; APPLICANT: ANDERSON, JOHN
; APPLICANT: CHRYSLER, SUSANNA
; TITLE OF INVENTION: NOVEL CATHEPSIN AND METHODS AND
; TITLE OF INVENTION: COMPOSITIONS FOR INHIBITION THEREOF
; NUMBER OF SEQUENCES: 20
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ATHENA NEUROSCIENCES
; STREET: 800 F. Gateway Blvd.
; CITY: South San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/469,362
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: DUVALL, JEAN M.
; REGISTRATION NUMBER: 32,731
; REFERENCE/DOCKET NUMBER: 002010-005
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 877-0900
; TELEFAX: (415) 877-8370
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-469-362-12

Query Match 31.2%; Score 5; DB 1; Length 6;
Best Local Similarity 100.0%; Pred. No. 4.6e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 SLPKS 6
Db 1 SLPKS 5

RESULT 38
US-08-850-392-12
; Sequence 12, Application US/08850392
; Patent No. 5858982
; GENERAL INFORMATION:
; APPLICANT: TUNG, JAY S.
; APPLICANT: SINHA, SUKANTO
; APPLICANT: MCCONLOGUE, LISA
; APPLICANT: SEMKO, CHRISTOPHER M.F.
; TITLE OF INVENTION: NOVEL CATHEPSIN AND METHODS AND
; TITLE OF INVENTION: COMPOSITIONS FOR INHIBITION THEREOF
; NUMBER OF SEQUENCES: 20
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ATHENA NEUROSCIENCES
; STREET: 800 F. Gateway Blvd.
; CITY: South San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/850,392
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/469,362
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:

```

```
; NAME: DUVALL, JEAN M.
; REGISTRATION NUMBER: 32,731
; REFERENCE/DOCKET NUMBER: 002010-005
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 877-0900
; TELEFAX: (415) 877-8370
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
;
US-08-850-392-12
Query Match 31.2%; Score 5; DB 1; Length 6;
Best Local Similarity 100.0%; Pred. No. 4.6e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 SLPKS 6
Db 1 SLPKS 5

RESULT 39
US-09-476-482-11
; Sequence 11, Application US/09476482
; Patent No. 6284456
; GENERAL INFORMATION:
; APPLICANT: Jones, Katherine A.
; APPLICANT: Wei, Ping
; APPLICANT: Garber, Mitchell
; APPLICANT: Fang, Shi-Min
; TITLE OF INVENTION: A TRANSCRIPTIONAL COACTIVATOR THAT
; TITLE OF INVENTION: INTERACTS WITH TAT PROTEIN AND REGULATES ITS BINDING TO TAR
; TITLE OF INVENTION: RNA METHODS FOR MODULATING TAT TRANSACTIVATION, AND USES
; TITLE OF INVENTION: THEREFOR
; FILE REFERENCE: SALK2230-2
; CURRENT APPLICATION NUMBER: US/09/476,482
; CURRENT FILING DATE: 1999-12-30
; EARLIER APPLICATION NUMBER: 09/126,980
; EARLIER FILING DATE: 1998-07-30
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Homo sapiens
;
US-09-476-482-11
Query Match 31.2%; Score 5; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 39;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 11 PDLEL 15
Db 5 PDLEL 9

RESULT 40
US-08-946-026-57
; Sequence 57, Application US/08946026
; Patent No. 6034218
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Dillon, Davin C.
; APPLICANT: Twardzik, Daniel R.
; APPLICANT: Mitcham, Jennifer L.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR IMMUNOTHERAPY
; TITLE OF INVENTION: AND IMMUNODIAGNOSIS OF PROSTATE CANCER
; NUMBER OF SEQUENCES: 59
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED and BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
```

```
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/946,026
; FILING DATE: 07-OCT-1997
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Maki, David J.
; REGISTRATION NUMBER: 31,392
; REFERENCE/DOCKET NUMBER: 210121.424C1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 57:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
;
US-08-946-026-57
Query Match 31.2%; Score 5; DB 2; Length 15;
Best Local Similarity 100.0%; Pred. No. 52;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 DLELP 16
Db 9 DLELP 13

RESULT 41
US-08-793-490-5
; Sequence 5, Application US/08793490
; Patent No. 5968824
; GENERAL INFORMATION:
; APPLICANT: Spruce, Barbara A
; APPLICANT: Prescott, Alan
; APPLICANT: Bottger, Angelika
; APPLICANT: Dewar, Deborah A
; TITLE OF INVENTION: Agents for Inducing Apoptosis and Applications of Said
; TITLE OF INVENTION: Agents in Therapy
; FILE REFERENCE: ME A9701
; CURRENT APPLICATION NUMBER: US/08/793,490
; CURRENT FILING DATE: 1997-04-28
; EARLIER APPLICATION NUMBER: GB 9419285.3
; EARLIER FILING DATE: 1994-09-23
; EARLIER APPLICATION NUMBER: GB 9417444.8
; EARLIER FILING DATE: 1994-08-30
; EARLIER APPLICATION NUMBER: PCT/GB95/02037
; EARLIER FILING DATE: 1995-08-30
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: sequence
; OTHER INFORMATION: encoded by anti-proenkephalin immunoglobulin heavy
; OTHER INFORMATION: chain variable domain genes
;
US-08-793-490-5
Query Match 31.2%; Score 5; DB 1; Length 19;
Best Local Similarity 100.0%; Pred. No. 64;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 6 SEFAV 10
|
|
|
|
Db 15 SEFAV 19

RESULT 42
US-08-467-607-4
; Sequence 4, Application US/08467607
; Patent No. 5783434
; GENERAL INFORMATION:
; APPLICANT: TUNG, JAY S.
; APPLICANT: SINHA, SUKANTO
; APPLICANT: MC CONLOGUE, LISA
; APPLICANT: TATSUNO, GWEN
; APPLICANT: ANDERSON, JOHN
; APPLICANT: CHRYSLER, SUSANNA
; TITLE OF INVENTION: NOVEL CATHEPSIN AND METHODS AND
; TITLE OF INVENTION: COMPOSITIONS FOR INHIBITION THEREOF
; NUMBER OF SEQUENCES: 20
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ATHENA NEUROSCIENCES
; STREET: 800 F. Gateway Blvd.
; CITY: South San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467.607
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: DUVALL, JEAN M.
; REGISTRATION NUMBER: 32,731
; REFERENCE/DOCKET NUMBER: 002010-007
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 877-0900
; TELEFAX: (415) 877-8370
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 7
; OTHER INFORMATION: /note= "This position is Gly or
; OTHER INFORMATION: Asp."
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 8
; OTHER INFORMATION: /note= "This position is Asn or
; OTHER INFORMATION: Val."
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 14
; OTHER INFORMATION: /note= "This position is Val or
; OTHER INFORMATION: Asn."
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 20
; OTHER INFORMATION: /note= "This position is Arg or
; OTHER INFORMATION: Thr."
US-08-467-607-4

Query Match 31.2%; Score 5; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 68;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 SLPKS 6
|
|
|
|
Db 1 SLPKS 5

RESULT 43
US-08-469-362-4
; Sequence 4, Application US/08469362
; Patent No. 5849711
; GENERAL INFORMATION:
; APPLICANT: TUNG, JAY S.
; APPLICANT: SINHA, SUKANTO
; APPLICANT: MC CONLOGUE, LISA
; APPLICANT: SEMKO, CHRISTOPHER M.F.
; TITLE OF INVENTION: NOVEL CATHEPSIN AND METHODS AND
; TITLE OF INVENTION: COMPOSITIONS FOR INHIBITION THEREOF
; NUMBER OF SEQUENCES: 20
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ATHENA NEUROSCIENCES
; STREET: 800 F. Gateway Blvd.
; CITY: South San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/469,362
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: DUVALL, JEAN M.
; REGISTRATION NUMBER: 32,731
; REFERENCE/DOCKET NUMBER: 002010-005
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 877-0900
; TELEFAX: (415) 877-8370
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 7
; OTHER INFORMATION: /note= "This position is Gly or
; OTHER INFORMATION: Asp."
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 8
; OTHER INFORMATION: /note= "This position is Asn or
; OTHER INFORMATION: Val."
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 14
; OTHER INFORMATION: /note= "This position is Val or
; OTHER INFORMATION: Asn."
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 20
; OTHER INFORMATION: /note= "This position is Arg or
; OTHER INFORMATION: Thr."
US-08-469-362-4

Query Match 31.2%; Score 5; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 68;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 SLPKS 6
|||||
Db 1 SLPKS 5

RESULT 44
US-08-850-392-4
; Sequence 4, Application US/08850392
; Patent No. 5858982
; GENERAL INFORMATION:
; APPLICANT: TUNG, JAY S.
; APPLICANT: SINHA, SURANTO
; APPLICANT: MCCONLOGUE, LISA
; APPLICANT: SEMKO, CHRISTOPHER M.F.
; TITLE OF INVENTION: NOVEL CATHEPSIN AND METHODS AND
; TITLE OF INVENTION: COMPOSITIONS FOR INHIBITION THEREOF
; NUMBER OF SEQUENCES: 20
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ATHENA NEUROSCIENCES
; STREET: 800 F. Gateway Blvd.
; CITY: South San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION NUMBER: US/08/850,392
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/469,362
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: DUVALL, JEAN M.
; REGISTRATION NUMBER: 32,731
; REFERENCE/DOCKET NUMBER: 002010-005
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 877-0900
; TELEFAX: (415) 877-8370
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 7
; OTHER INFORMATION: /note= "This position is Gly or
; OTHER INFORMATION: Asp."
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 8
; OTHER INFORMATION: /note= "This position is Asn or
; OTHER INFORMATION: Val."
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 14
; OTHER INFORMATION: /note= "This position is Val or
; OTHER INFORMATION: Asn."
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 20
; OTHER INFORMATION: /note= "This position is Arg or
; OTHER INFORMATION: Thr."
US-08-850-392-4

Query Match 31.2%; Score 5; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 68;

Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 2 SLPKS 6
|||||
Db 1 SLPKS 5

RESULT 45
US-09-406-781-40
; Sequence 40, Application US/09406781
; Patent No. 6306663
; GENERAL INFORMATION:
; APPLICANT: Kenten, John
; APPLICANT: Roberts, Steven
; TITLE OF INVENTION: CONTROLLING PROTEIN LEVELS IN EUKARYOTIC ORGANISMS
; FILE REFERENCE: 2757-3
; CURRENT APPLICATION NUMBER: US/09/406,781
; CURRENT FILING DATE: 1999-09-28
; EARLIER FILING DATE: 1999-02-12
; NUMBER OF SEQ ID NOS: 67
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 40
; LENGTH: 21
; TYPE: PRT
; ORGANISM: Unknown Organism
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: ubiquitination
; OTHER INFORMATION: recognition element
US-09-406-781-40

Query Match 31.2%; Score 5; DB 2; Length 21;
Best Local Similarity 100.0%; Pred. No. 71;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 7 EFAVP 11
|||||
Db 2 EFAVP 6

RESULT 46
US-09-880-132-40
; Sequence 40, Application US/09880132
; Patent No. 6559280
; GENERAL INFORMATION:
; APPLICANT: Kenten, John
; APPLICANT: Roberts, Steven
; TITLE OF INVENTION: CONTROLLING PROTEIN LEVELS IN EUKARYOTIC ORGANISMS
; FILE REFERENCE: 2757-6
; CURRENT APPLICATION NUMBER: US/09/880,132
; CURRENT FILING DATE: 2001-06-14
; PRIOR APPLICATION NUMBER: 09/406,781
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: 60/119,851
; PRIOR FILING DATE: 1999-02-12
; NUMBER OF SEQ ID NOS: 67
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 40
; LENGTH: 21
; TYPE: PRT
; ORGANISM: Unknown Organism
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: ubiquitination
; OTHER INFORMATION: recognition element
US-09-880-132-40

Query Match 31.2%; Score 5; DB 2; Length 21;
Best Local Similarity 100.0%; Pred. No. 71;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 7 EFAVP 11
|||||
Db 2 EFAVP 6

```

RESULT 47
US-09-079-372-11
; Sequence 11, Application US/09079372
; Patent No. 616590
; GENERAL INFORMATION:
; APPLICANT: Singh, Pomila
; APPLICANT: Wood, T.
; TITLE OF INVENTION: INHIBITION OF ENDOGENOUS GASTRIN
; TITLE OF INVENTION: EXPRESSION FOR TREATMENT OF COLORECTAL CANCER
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arnold, White & Durkee
; STREET: P.O. Box 4433
; CITY: Houston
; STATE: Texas
; COUNTRY: United States of America
; ZIP: 77210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/079,372
; FILING DATE: Concurrently Herewith
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/634,546
; FILING DATE: 18-APR-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Hodgins, Daniel S.
; REGISTRATION NUMBER: 31,026
; REFERENCE/DOCKET NUMBER: UTSG:220
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 35 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
US-09-079-372-11

Query Match 31.2%; Score 5; DB 2; Length 35;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 DLELP 16
Db 20 DLELP 24

RESULT 48
US-09-205-258-574
; Sequence 574, Application US/09205258
; Patent No. 6525174
; GENERAL INFORMATION:
; APPLICANT: Young et al.
; TITLE OF INVENTION: 207 Human Secreted Proteins
; FILE REFERENCE: P2007P1
; CURRENT APPLICATION NUMBER: US/09/205,258
; CURRENT FILING DATE: 1998-12-04
; EARLIER APPLICATION NUMBER: PCT/US98/11422
; EARLIER FILING DATE: 1998-06-04
; EARLIER APPLICATION NUMBER: 60/048,885
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,375
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,881
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,880
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,896

```

```
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-205-258-574

Query Match          31.2%; Score 5; DB 2; Length 48;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      2 SLPKS 6
Db      34 SLPKS 38

RESULT 49
US-10-004-860-574
; Sequence 574, Application US/10004860
; Patent No. 6914047
; GENERAL INFORMATION:
; APPLICANT: Young et al.
; TITLE OF INVENTION: 207 Human Secreted Proteins
; FILE REFERENCE: P2007P1
; CURRENT APPLICATION NUMBER: US/10/004,860
; CURRENT FILING DATE: 2001-12-07
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 1227
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 574
; LENGTH: 48
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-004-860-574

Query Match          31.2%; Score 5; DB 2; Length 48;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      2 SLPKS 6
Db      34 SLPKS 38

RESULT 50
US-09-640-211A-2293
; Sequence 2293, Application US/09640211A
; Patent No. 6833446
; GENERAL INFORMATION:
; APPLICANT: Wood, Marion
; APPLICANT: Shenk, Michael A.
; APPLICANT: McGrath, Annette
; APPLICANT: Glenn, Matthew
; TITLE OF INVENTION: Compositions and Methods for the
; FILE REFERENCE: Modification of Gene Transcription
; FILE REFERENCE: 11000.1021CIU
; CURRENT APPLICATION NUMBER: US/09/640,211A
; CURRENT FILING DATE: 2000-08-16
; NUMBER OF SEQ ID NOS: 2368
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2293
; LENGTH: 54
; TYPE: PRT
; ORGANISM: Pinus radiata
US-09-640-211A-2293

Query Match          31.2%; Score 5; DB 2; Length 54;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      2 SLPKS 6
Db      39 SLPKS 43

RESULT 51
US-09-640-211A-2124
; Sequence 2124, Application US/09640211A
; Patent No. 6833446
; GENERAL INFORMATION:
; APPLICANT: Wood, Marion
; APPLICANT: Shenk, Michael A.
; APPLICANT: McGrath, Annette
; APPLICANT: Glenn, Matthew
; TITLE OF INVENTION: Compositions and Methods for the
; FILE REFERENCE: Modification of Gene Transcription
; FILE REFERENCE: 11000.1021CIU
; CURRENT APPLICATION NUMBER: US/09/640,211A
; CURRENT FILING DATE: 2000-08-16
; NUMBER OF SEQ ID NOS: 2368
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2124
; LENGTH: 55
; TYPE: PRT
; ORGANISM: Eucalyptus grandis
US-09-640-211A-2124

Query Match          31.2%; Score 5; DB 2; Length 55;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      2 SLPKS 6
Db      39 SLPKS 43

RESULT 52
US-09-270-767-61615
; Sequence 61615, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 61615
; LENGTH: 56
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-61615

Query Match          31.2%; Score 5; DB 2; Length 56;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      12 DLELP 16
Db       4 DLELP 8

RESULT 53
US-09-010-147B-8
; Sequence 8, Application US/09010147B
; Patent No. 6653445
; GENERAL INFORMATION:
; APPLICANT: Ni et al.
; TITLE OF INVENTION: Human Proteins
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: MD
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
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; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/010,147B
; FILING DATE: 12-No. 6653445-2002
; CLASSIFICATION: <Unknown>
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 60/034,205
; FILING DATE: 21-JAN-1997
; APPLICATION NUMBER: US 60/034,204
; FILING DATE: 21-JAN-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Jonathan L. Klein
; REGISTRATION NUMBER: 41,119
; REFERENCE/DOCKET NUMBER: PF353
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 301-309-8504
; TELEFAX: 301-309-8439
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 59 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 8:
US-09-010-147B-8

Query Match 31.2%; Score 5; DB 2; Length 59;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0;

Qy 2 SLPKS 6
Db 39 SLPKS 43

RESULT 54
US-09-621-976-5270
; Sequence 5270, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 5270
; LENGTH: 61
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SIGNAL
; LOCATION: -23...-1
US-09-621-976-5270

Query Match 31.2%; Score 5; DB 2; Length 61;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0;

Qy 2 SLPKS 6
Db 17 SLPKS 21

RESULT 55
US-09-248-796A-24265

; Sequence 24265, Application US/09248796A
; Patent No. 6747137
; GENERAL INFORMATION:
; APPLICANT: Keith Weinstock et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN
; TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.132
; CURRENT APPLICATION NUMBER: US/09/248,796A
; CURRENT FILING DATE: 1999-02-12
; PRIORITY APPLICATION NUMBER: US 60/074,725
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: US 60/096,409
; PRIOR FILING DATE: 1998-08-13
; NUMBER OF SEQ ID NOS: 28208
; SEQ ID NO 24265
; LENGTH: 61
; TYPE: PRT
; ORGANISM: Candida albicans
US-09-248-796A-24265

Query Match 31.2%; Score 5; DB 2; Length 61;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0;

Qy 6 SEFAV 10
Db 19 SEFAV 23

RESULT 56
US-09-107-532A-6719
; Sequence 6719, Application US/09107532A
; Patent No. 6583275
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 7310
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-ROM ISO9660
; COMPUTER: PC
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,532A
; FILING DATE: 30-Jun-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/085,598
; FILING DATE: 14 May 1998
; APPLICATION NUMBER: 60/051571
; FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ariniello, Pamela Deneke
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-012
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 6719:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 66 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: YES
; ORIGINAL SOURCE:

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; ORGANISM: Enterococcus faecium
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (B) LOCATION 1...66
; SEQUENCE DESCRIPTION: SEQ ID NO: 6719:
US-09-107-532A-6719

Query Match          31.2%; Score 5; DB 2; Length 66;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 YSLPK 5
Db      56 YSLPK 60

RESULT 57
US-09-513-999C-5284
; Sequence 5284, Application US/09513999C
; Patent No. 6783961
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Duclert, A.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
; FILE REFERENCE: 59.US2.REG
; CURRENT APPLICATION NUMBER: US/09/513,999C
; CURRENT FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/122,487
; PRIOR FILING DATE: 1999-02-26
; NUMBER OF SEQ ID NOS: 36681
; SOFTWARE: Patent.pm
; SEQ ID NO 5284
; LENGTH: 67
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: UNSURE
; LOCATION: 8
; OTHER INFORMATION: Xaa=Glu or Gly
; FEATURE:
; NAME/KEY: UNSURE
; LOCATION: 60
; OTHER INFORMATION: Xaa= * or Arg
US-09-513-999C-5284

Query Match          31.2%; Score 5; DB 2; Length 67;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      5 KSEFA 9
Db      30 KSEFA 34

RESULT 58
US-09-471-276-1539
; Sequence 1539, Application US/09471276
; Patent No. 6822072
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Duclert A.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
; FILE REFERENCE: GENSET.025CP1
; CURRENT APPLICATION NUMBER: US/09/471,276
; CURRENT FILING DATE: 1999-12-21
; EARLIER APPLICATION NUMBER: 09/057,719
; EARLIER FILING DATE: 1998-04-09
; EARLIER APPLICATION NUMBER: 09/069,047
; EARLIER FILING DATE: 1998-04-28
```

```
; EARLIER APPLICATION NUMBER: PCT/IB99/00712
; EARLIER FILING DATE: 1999-04-09
; NUMBER OF SEQ ID NOS: 1622
; SOFTWARE: Patent.pm
; SEQ ID NO 1539
; LENGTH: 67
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-471-276-1539

Query Match          31.2%; Score 5; DB 2; Length 67;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      5 KSEFA 9
Db      30 KSEFA 34

RESULT 59
US-09-079-372-2
; Sequence 2, Application US/09079372
; Patent No. 6165990
; GENERAL INFORMATION:
; APPLICANT: Singh, Pomila
; APPLICANT: Wood, T.
; TITLE OF INVENTION: INHIBITION OF ENDOGENOUS GASTRIN
; TITLE OF INVENTION: EXPRESSION FOR TREATMENT OF COLORECTAL CANCER
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arnold, White & Durkee
; STREET: P.O. Box 4433
; CITY: Houston
; STATE: Texas
; COUNTRY: United States of America
; ZIP: 77210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/079,372
; FILING DATE: Concurrently Herewith
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/634,546
; FILING DATE: 18-APR-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Hodgins, Daniel S.
; REGISTRATION NUMBER: 31,026
; REFERENCE/DOCKET NUMBER: UTSG:220
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 70 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
US-09-079-372-2

Query Match          31.2%; Score 5; DB 2; Length 70;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      12 DLELP 16
Db      41 DLELP 45

RESULT 60
US-09-513-999C-5283
; Sequence 5283, Application US/09513999C
; Patent No. 6783961
```


; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Duclert, A.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
; Patent No. 6783961
; FILE REFERENCE: 59.US2.REG
; CURRENT APPLICATION NUMBER: US/09/513,999C
; CURRENT FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/122,487
; PRIOR FILING DATE: 1999-02-26
; NUMBER OF SEQ ID NOS: 36681
; SOFTWARE: Patent.pm
; SEQ ID NO 5283
; LENGTH: 70
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: UNSURE
; LOCATION: 63
; OTHER INFORMATION: Xaa= * or Arg
US-09-513-999C-5283

Query Match 31.2%; Score 5; DB 2; Length 70;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 5 KSEFA 9
Db 33 KSEFA 37

RESULT 61
US-09-079-372-7
; Sequence 7, Application US/09079372
; Patent No. 6165990
; GENERAL INFORMATION:
; APPLICANT: Singh, Pomila
; APPLICANT: Wood, T.
; TITLE OF INVENTION: INHIBITION OF ENDOGENOUS GASTRIN
; TITLE OF INVENTION: EXPRESSION FOR TREATMENT OF COLORECTAL CANCER
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Arnold, White & Durkee
; STREET: P.O. Box 4433
; CITY: Houston
; STATE: Texas
; COUNTRY: United States of America
; ZIP: 77210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/079,372
; FILING DATE: Concurrently Herewith
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/634,546
; FILING DATE: 18-APR-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Hodgins, Daniel S.
; REGISTRATION NUMBER: 31,026
; REFERENCE/DOCKET NUMBER: UTSG:220
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 74 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
US-09-079-372-7

Query Match 31.2%; Score 5; DB 2; Length 74;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 DLELP 16
Db 20 DLELP 24

RESULT 62
US-09-540-236-2734
; Sequence 2734, Application US/09540236
; Patent No. 6673910
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO MORAXELLA CATAL
; TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.2005-001
; CURRENT APPLICATION NUMBER: US/09/540,236
; CURRENT FILING DATE: 2000-04-04
; NUMBER OF SEQ ID NOS: 3840
; SEQ ID NO 2734
; LENGTH: 84
; TYPE: PRT
; ORGANISM: M.catarrhalis
US-09-540-236-2734

Query Match 31.2%; Score 5; DB 2; Length 84;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YSLPK 5
Db 26 YSLPK 30

RESULT 63
US-09-270-767-39981
; Sequence 39981, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 39981
; LENGTH: 86
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-39981

Query Match 31.2%; Score 5; DB 2; Length 86;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 SLPKS 6
Db 13 SLPKS 17

RESULT 64
US-09-270-767-55198
; Sequence 55198, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17

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; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 55198
; LENGTH: 86
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-55198

Query Match          31.2%; Score 5; DB 2; Length 86;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY  2 SLPKS 6
    |||||
Db   13 SLPKS 17

RESULT 65
US-09-621-976-4486
; Sequence 4486, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 4486
; LENGTH: 87
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-621-976-4486

Query Match          31.2%; Score 5; DB 2; Length 87;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY  5 KSEFA 9
    |||||
Db   33 KSEFA 37

RESULT 66
US-09-248-796A-22835
; Sequence 22835, Application US/09248796A
; Patent No. 6747137
; GENERAL INFORMATION:
; APPLICANT: Keith Weinstock et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICANS
; FILE REFERENCE: 107196.132
; CURRENT APPLICATION NUMBER: US/09/248,796A
; CURRENT FILING DATE: 1999-02-12
; PRIOR APPLICATION NUMBER: US 60/074,725
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: US 60/096,409
; PRIOR FILING DATE: 1998-08-13
; NUMBER OF SEQ ID NOS: 28208
; SEQ ID NO 22835
; LENGTH: 87
; TYPE: PRT
; ORGANISM: Candida albicans
US-09-248-796A-22835

Query Match          31.2%; Score 5; DB 2; Length 87;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY  4 PKSEF 8
```

```
Db          55 PKSEF 59
    |||||

RESULT 67
US-09-270-767-46067
; Sequence 46067, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 46067
; LENGTH: 98
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-46067

Query Match          31.2%; Score 5; DB 2; Length 98;
Best Local Similarity 100.0%; Pred. No. 3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY  12 DLELP 16
    |||||
Db   4 DLELP 8

RESULT 68
US-09-079-372-14
; Sequence 14, Application US/09079372
; Patent No. 6165990
; GENERAL INFORMATION:
; APPLICANT: Singh, Pomila
; APPLICANT: Wood, T.
; TITLE OF INVENTION: INHIBITION OF ENDOGENOUS GASTRIN
; TITLE OF INVENTION: EXPRESSION FOR TREATMENT OF COLORECTAL CANCER
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arnold, White & Durkee
; STREET: P.O. Box 4433
; CITY: Houston
; STATE: Texas
; COUNTRY: United States of America
; ZIP: 77210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/079,372
; FILING DATE: Concurrently Herewith
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/634,546
; FILING DATE: 18-APR-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Hodgins, Daniel S.
; REGISTRATION NUMBER: 31,026
; REFERENCE/DOCKET NUMBER: UTSG:220
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 100 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
US-09-079-372-14

Query Match          31.2%; Score 5; DB 2; Length 100;
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```

;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/025,769B
; FILING DATE: 18-FEB-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP 95 11 3021.0
; FILING DATE: 18-AUG-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: James F. Haley, Jr., Esq.
; REGISTRATION NUMBER: 27,794
; REFERENCE/DOCKET NUMBER: MORPHO/5
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)596-9000
; TELEFAX: (212)596-9090
; INFORMATION FOR SEQ ID NO: 168:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 104 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-09-025-769B-168

Query Match 31.2%; Score 5; DB 2; Length 104;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 PKSEF 8
Db 100 PKSEF 104

RESULT 71
US-09-490-070A-168
; Sequence 168, Application US/09490070A
; Patent No. 6696248
; GENERAL INFORMATION:
; APPLICANT: Knappik, Achim
; Pack, Peter
; Ilag, Vic
; Ge, Liming
; Moroney, Simon
; Plueckhuhn, Andreas
; TITLE OF INVENTION: Protein/(Poly)peptide libraries
; NUMBER OF SEQUENCES: 373
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Colin G. Sandercock, Esq. c/o Heller Ehrman
; White & McAuliffe
; STREET: 1666 K Street, N.W., Suite 300
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20006
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/490,070A
; FILING DATE: 24-Jan-2000
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP 95 11 3021.0
; FILING DATE: 18-AUG-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Colin G. Sandercock, Esq.
; REGISTRATION NUMBER: 31,298
; REFERENCE/DOCKET NUMBER: 37629-0005
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 912-2000
; TELEFAX: (202) 912-2020
; INFORMATION FOR SEQ ID NO: 168:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 104 amino acids
; TYPE: amino acid

```


US-09-490-324-168

Query Match 31.2%; Score 5; DB 2; Length 104;
 Best Local Similarity 100.0%; Pred. No. 3.2e+02;
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 4 PKSEF 8
 |||||
 Db 100 PKSEF 104

RESULT 75

US-08-369-796-16
 ; Sequence 16, Application US/08369796
 ; Patent No. 5716622
 ; GENERAL INFORMATION:
 ; APPLICANT: James E. Darnell, Jr.
 ; APPLICANT: Zilong Wen
 ; APPLICANT: Curt M. Horvath
 ; APPLICANT: Zhong Zhong
 ; TITLE OF INVENTION: FUNCTIONALLY ACTIVE REGIONS OF SIGNAL
 ; TITLE OF INVENTION: TRANSDUCER AND ACTIVATOR OF TRANSCRIPTION (STAT) PROTEINS
 ; NUMBER OF SEQUENCES: 39
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Klauber & Jackson
 ; STREET: 411 Hackensack Avenue
 ; CITY: Hackensack
 ; STATE: New Jersey
 ; COUNTRY: USA
 ; ZIP: 07601
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent In Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/369,796
 ; FILING DATE: 06-JAN-1995
 ; CLASSIFICATION: 435
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Jackson Esq., David A.
 ; REGISTRATION NUMBER: 26,742
 ; REFERENCE/DOCKET NUMBER: 600-1-116
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 201 487-5800
 ; TELEFAX: 201 343-1684
 ; TELEX: 133521
 ; INFORMATION FOR SEQ ID NO: 16:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 107 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: peptide
 ; HYPOTHETICAL: NO
 ; FRAGMENT TYPE: internal
 ; US-08-369-796-16

Query Match 31.2%; Score 5; DB 1; Length 107;
 Best Local Similarity 100.0%; Pred. No. 3.3e+02;
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 FAVPD 12
 |||||
 Db 86 FAVPD 90

RESULT 76

US-08-852-091-16
 ; Sequence 16, Application US/08852091
 ; Patent No. 5883228
 ; GENERAL INFORMATION:
 ; APPLICANT: James E. Darnell, Jr.

; APPLICANT: Zilong Wen
 ; APPLICANT: Curt M. Horvath
 ; APPLICANT: Zhong Zhong
 ; TITLE OF INVENTION: FUNCTIONALLY ACTIVE REGIONS OF SIGNAL
 ; TITLE OF INVENTION: TRANSDUCER AND ACTIVATOR OF TRANSCRIPTION (STAT) PROTEINS
 ; NUMBER OF SEQUENCES: 39
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Klauber & Jackson
 ; STREET: 411 Hackensack Avenue
 ; CITY: Hackensack
 ; STATE: New Jersey
 ; COUNTRY: USA
 ; ZIP: 07601
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent In Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/852,091
 ; FILING DATE: 06-MAY-1997
 ; CLASSIFICATION: 424
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 08/369,796
 ; FILING DATE: 06-JAN-1995
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Jackson Esq., David A.
 ; REGISTRATION NUMBER: 26,742
 ; REFERENCE/DOCKET NUMBER: 600-1-116
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 201 487-5800
 ; TELEFAX: 201 343-1684
 ; TELEX: 133521
 ; INFORMATION FOR SEQ ID NO: 16:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 107 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: peptide
 ; HYPOTHETICAL: NO
 ; FRAGMENT TYPE: internal
 ; US-08-852-091-16

Query Match 31.2%; Score 5; DB 1; Length 107;
 Best Local Similarity 100.0%; Pred. No. 3.3e+02;
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 FAVPD 12
 |||||
 Db 86 FAVPD 90

RESULT 77

PCT-US95-17025-16
 ; Sequence 16, Application PC/TUS9517025
 ; GENERAL INFORMATION:
 ; APPLICANT: James E. Darnell, Jr.
 ; APPLICANT: Zilong Wen
 ; APPLICANT: Curt M. Horvath
 ; APPLICANT: Zhong Zhong
 ; TITLE OF INVENTION: FUNCTIONALLY ACTIVE REGIONS OF SIGNAL
 ; TITLE OF INVENTION: TRANSDUCER AND ACTIVATOR OF TRANSCRIPTION (STAT) PROTEINS
 ; NUMBER OF SEQUENCES: 39
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Klauber & Jackson
 ; STREET: 411 Hackensack Avenue
 ; CITY: Hackensack
 ; STATE: New Jersey
 ; COUNTRY: USA
 ; ZIP: 07601
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk

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; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/17025
; FILING DATE: 28-DEC-1995
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/369,796
; FILING DATE: 06-JAN-1995
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Jackson Sq., David A.
; REGISTRATION NUMBER: 26,742
; REFERENCE/DOCKET NUMBER: 600-1-116
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201 487-5800
; TELEFAX: 201 343-1684
; TELEX: 133521
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 107 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; FRAGMENT TYPE: internal
; PCT-US95-17025-16

Query Match          31.2%; Score 5; DB 4; Length 107;
Best Local Similarity 100.0%; Pred. No. 3.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      8 FAVPDL 12
Db      86 FAVPDL 90

RESULT 78
US-09-187-859-23
; Sequence 23, Application US/09187859A
; Patent No. 6358920
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; FILE REFERENCE: 100086.407C1
; CURRENT APPLICATION NUMBER: US/09/187,859A
; CURRENT FILING DATE: 1998-11-06
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 23
; LENGTH: 109
; TYPE: PRT
; ORGANISM: Rattus norvegicus
; US-09-187-859-23

Query Match          31.2%; Score 5; DB 2; Length 109;
Best Local Similarity 100.0%; Pred. No. 3.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      9 AVPDL 13
Db      61 AVPDL 65

RESULT 79
US-09-839-542B-23
; Sequence 23, Application US/09839542B
; Patent No. 6569996
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; FILE REFERENCE: 100086.407D1
; CURRENT APPLICATION NUMBER: US/09/839,542B
; CURRENT FILING DATE: 2001-04-20
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 23
; LENGTH: 109
; TYPE: PRT
; ORGANISM: Rattus norvegicus
; US-09-839-542B-23

Query Match          31.2%; Score 5; DB 2; Length 109;
Best Local Similarity 100.0%; Pred. No. 3.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      9 AVPDL 13
Db      61 AVPDL 65

RESULT 80
US-09-535-852-23
; Sequence 23, Application US/09535852
; Patent No. 6638911
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Symonds, James M.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND EMTHODS FOR MODULATING
; FILE REFERENCE: 100086.407C6
; CURRENT APPLICATION NUMBER: US/09/535,852
; CURRENT FILING DATE: 2001-05-21
; NUMBER OF SEQ ID NOS: 2009
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 23
; LENGTH: 109
; TYPE: PRT
; ORGANISM: Rattus norvegicus
; US-09-535-852-23

Query Match          31.2%; Score 5; DB 2; Length 109;
Best Local Similarity 100.0%; Pred. No. 3.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      9 AVPDL 13
Db      61 AVPDL 65

RESULT 81
US-09-621-976-5753
; Sequence 5753, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 5753
; LENGTH: 109
; TYPE: PRT
; ORGANISM: Homo sapiens
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;
; FEATURE:
; NAME/KEY: SIGNAL
; LOCATION: -18...-1
US-09-621-976-5753

Query Match          31.2%; Score 5; DB 2; Length 109;
Best Local Similarity 100.0%; Pred. No. 3.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 SLPKS 6
Db 39 SLPKS 43

RESULT 82
US-10-006-869-23
; Sequence 23, Application US/10006869
; Patent No. 6962969
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Symonds, James Matthew
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; TITLE OF INVENTION: CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C7
; CURRENT APPLICATION NUMBER: US/10/006.869
; CURRENT FILING DATE: 2001-12-03
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 23
; LENGTH: 109
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-10-006-869-23

Query Match          31.2%; Score 5; DB 2; Length 109;
Best Local Similarity 100.0%; Pred. No. 3.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 AVPDL 13
Db 61 AVPDL 65

RESULT 83
US-09-107-532A-4396
; Sequence 4396, Application US/09107532A
; Patent No. 6583275
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; TITLE OF INVENTION: ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 7310
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-ROM ISO9660
; COMPUTER: PC
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,532A
; FILING DATE: 30-Jun-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/085,598
; FILING DATE: 14 May 1998
; APPLICATION NUMBER: 60/051571
; FILING DATE: July 2, 1997
```

```
;
; ATTORNEY/AGENT INFORMATION:
; NAME: Arinello, Pamela Deneke
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-012
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 4396:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 113 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: YES
; ORIGINAL SOURCE:
; ORGANISM: Enterococcus faecium
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (B) LOCATION 1...113
; SEQUENCE DESCRIPTION: SEQ ID NO: 4396:
US-09-107-532A-4396

Query Match          31.2%; Score 5; DB 2; Length 113;
Best Local Similarity 100.0%; Pred. No. 3.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 11 PDLEL 15
Db 39 PDLEL 43

RESULT 84
US-10-104-047-2080
; Sequence 2080, Application US/10104047
; Patent No. 6943241
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. 6943241el full length cDNA
; FILE REFERENCE: H1-A0105
; CURRENT APPLICATION NUMBER: US/10/104,047
; CURRENT FILING DATE: 2002-03-25
; PRIOR APPLICATION NUMBER:
; PRIOR FILING DATE:
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2080
; LENGTH: 113
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-104-047-2080

Query Match          31.2%; Score 5; DB 2; Length 113;
Best Local Similarity 100.0%; Pred. No. 3.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 SLPKS 6
Db 105 SLPKS 109

RESULT 85
US-09-809-545A-74
; Sequence 74, Application US/09809545A
; Patent No. 6800455
; GENERAL INFORMATION:
; APPLICANT: Stanton, Lawrence W.
; APPLICANT: White, R. Tyler
; TITLE OF INVENTION: SECRETED FACTORS
; FILE REFERENCE: SCIOS.017A
; CURRENT APPLICATION NUMBER: US/09/809,545A
; CURRENT FILING DATE: 2001-03-14
; NUMBER OF SEQ ID NOS: 84
; SOFTWARE: FastSeq for Windows Version 4.0
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; SEQ ID NO 74
; LENGTH: 114
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-09-809-545A-74

Query Match          31.2%; Score 5; DB 2; Length 114;
Best Local Similarity 100.0%; Pred. No. 3.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 VPDLE 14
Db       88 VPDLE 92

RESULT 86
US-08-846-134-1
; Sequence 1, Application US/08846134
; Patent No. 5814481
; GENERAL INFORMATION:
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Shah, Purvi
; TITLE OF INVENTION: NOVEL HEAT SHOCK-LIKE PROTEIN
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/846,134
; FILING DATE: Herewith
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0278 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; TELEX:
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 116 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: ADRETUT05
; CLONE: 249921
US-08-846-134-1

Query Match          31.2%; Score 5; DB 1; Length 116;
Best Local Similarity 100.0%; Pred. No. 3.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      2 SLPKS 6
Db       39 SLPKS 43

RESULT 87
US-09-010-147B-10
; Sequence 10, Application US/09010147B
; Patent No. 6653445
; GENERAL INFORMATION:
; APPLICANT: Ni et al.
; TITLE OF INVENTION: Human Proteins
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: MD
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/010,147B
; FILING DATE: 12-No. 6653445-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/034,205
; FILING DATE: 21-JAN-1997
; APPLICATION NUMBER: US 60/034,204
; FILING DATE: 21-JAN-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Jonathan L. Klein
; REGISTRATION NUMBER: 41,119
; REFERENCE/DOCKET NUMBER: PF353
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 301-309-8504
; TELEFAX: 301-309-8439
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 116 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 10:
US-09-010-147B-10

Query Match          31.2%; Score 5; DB 2; Length 116;
Best Local Similarity 100.0%; Pred. No. 3.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      2 SLPKS 6
Db       39 SLPKS 43

RESULT 88
US-10-104-047-3879
; Sequence 3879, Application US/10104047
; Patent No. 6943241
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. 6943241el full length cDNA
; FILE REFERENCE: H1-A0105
; CURRENT APPLICATION NUMBER: US/10/104,047
; CURRENT FILING DATE: 2002-03-25
; PRIOR APPLICATION NUMBER:
; PRIOR FILING DATE:
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3879
; LENGTH: 121
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-104-047-3879
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Query Match          31.2%; Score 5; DB 2; Length 121;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 DLELP 16
   |||||
Db 28 DLELP 32

RESULT 89
US-09-949-016-11739
; Sequence 11739, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11739
; LENGTH: 122
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-11739

Query Match          31.2%; Score 5; DB 2; Length 122;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 DLELP 16
   |||||
Db 62 DLELP 66

RESULT 90
US-09-270-767-58489
; Sequence 58489, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 58489
; LENGTH: 124
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-58489

Query Match          31.2%; Score 5; DB 2; Length 124;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 SLPKS 6
   |||||
Db 50 SLPKS 54

RESULT 91
US-09-270-767-32423
; Sequence 32423, Application US/09270767
```

```
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 32423
; LENGTH: 132
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-32423

Query Match          31.2%; Score 5; DB 2; Length 132;
Best Local Similarity 100.0%; Pred. No. 4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 DLELP 16
   |||||
Db 79 DLELP 83

RESULT 92
US-09-270-767-47640
; Sequence 47640, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 47640
; LENGTH: 132
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-47640

Query Match          31.2%; Score 5; DB 2; Length 132;
Best Local Similarity 100.0%; Pred. No. 4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 DLELP 16
   |||||
Db 79 DLELP 83

RESULT 93
US-09-833-328-2
; Sequence 2, Application US/09833328
; Patent No. 6926894
; GENERAL INFORMATION:
; APPLICANT: Laemmle, Bernhard
; APPLICANT: Schwarz, Hans-Peter
; APPLICANT: Scheiflinger, Friedrich
; APPLICANT: Antoine, Gerhard
; APPLICANT: Kerschbaumer, Randolph
; APPLICANT: Tagliavacca, Luigina
; APPLICANT: Zimmermann, Klaus
; APPLICANT: Furlan, Miha
; APPLICANT: Turecek, Peter
; APPLICANT: Gerritsen, Helena E.
; TITLE OF INVENTION: Composition Exhibiting a von Willebrand Factor (vWF) Protease Act
; FILE REFERENCE: 247.00CIP
; Patent No. 6926894
; CURRENT APPLICATION NUMBER: US/09/833,328
; CURRENT FILING DATE: 2001-04-12
; PRIOR APPLICATION NUMBER: 09/721,254
```

```
; PRIOR FILING DATE: 2000-11-22
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 133
; TYPE: PRT
; ORGANISM: human
US-09-833-328-2

Query Match          31.2%; Score 5; DB 2; Length 133;
Best Local Similarity 100.0%; Pred. No. 4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 DLELP 16
Db      93 DLELP 97

RESULT 94
US-09-489-039A-7439
; Sequence 7439, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 7439
; LENGTH: 134
; TYPE: PRT
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-7439

Query Match          31.2%; Score 5; DB 2; Length 134;
Best Local Similarity 100.0%; Pred. No. 4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      9 AVPDL 13
Db      27 AVPDL 31

RESULT 95
US-09-833-328-15
; Sequence 15, Application US/09833328
; Patent No. 6926894
; GENERAL INFORMATION:
; APPLICANT: Laemmle, Bernhard
; APPLICANT: Schwarz, Hans-Peter
; APPLICANT: Scheiflinger, Friedrich
; APPLICANT: Antoine, Gerhard
; APPLICANT: Kerschbaumer, Randolph
; APPLICANT: Tagliavacca, Luigina
; APPLICANT: Zimmermann, Klaus
; APPLICANT: Furlan, Miha
; APPLICANT: Turecek, Peter
; APPLICANT: Gerritsen, Helena E.
; TITLE OF INVENTION: Composition Exhibiting a von Willebrand Factor (vWF) Protease Act
; TITLE OF INVENTION: Comprising a Polypeptide Chain with the Amino Acid Sequence AAGG
; Patent No. 6926894
; FILE REFERENCE: 247.00CTP
; CURRENT APPLICATION NUMBER: US/09/833,328
; CURRENT FILING DATE: 2001-04-12
; PRIOR APPLICATION NUMBER: 09/721,254
; PRIOR FILING DATE: 2000-11-22
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 15
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```
; LENGTH: 136
; TYPE: PRT
; ORGANISM: human
US-09-833-328-15

Query Match          31.2%; Score 5; DB 2; Length 136;
Best Local Similarity 100.0%; Pred. No. 4.1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 DLELP 16
Db      96 DLELP 100

RESULT 96
US-09-252-991A-21633
; Sequence 21633, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 21633
; LENGTH: 137
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-21633

Query Match          31.2%; Score 5; DB 2; Length 137;
Best Local Similarity 100.0%; Pred. No. 4.1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      2 SLPKS 6
Db      104 SLPKS 108

RESULT 97
US-09-134-001C-3413
; Sequence 3413, Application US/09134001C
; Patent No. 6380370
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
; FILE REFERENCE: GTC-007
; CURRENT APPLICATION NUMBER: US/09/134,001C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/064,964
; PRIOR FILING DATE: 1997-11-08
; PRIOR APPLICATION NUMBER: US 60/055,779
; PRIOR FILING DATE: 1997-08-14
; NUMBER OF SEQ ID NOS: 5674
; SEQ ID NO 3413
; LENGTH: 140
; TYPE: PRT
; ORGANISM: Staphylococcus epidermidis
US-09-134-001C-3413

Query Match          31.2%; Score 5; DB 2; Length 140;
Best Local Similarity 100.0%; Pred. No. 4.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      11 PDLEL 15
; SEQ ID NO 15
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Db 117 PDLEL 121

RESULT 98

US-09-248-796A-25037
; Sequence 25037, Application US/09248796A
; Patent No. 6747137

GENERAL INFORMATION:
; APPLICANT: Keith Weinstock et al

; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN
; FILE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS

; FILE REFERENCE: 107196.132

; CURRENT APPLICATION NUMBER: US/09/248,796A

; CURRENT FILING DATE: 1999-02-12

; PRIOR APPLICATION NUMBER: US 60/074,725

; PRIOR FILING DATE: 1998-02-13

; PRIOR APPLICATION NUMBER: US 60/096,409

; PRIOR FILING DATE: 1998-08-13

; NUMBER OF SEQ ID NOS: 28208

; SEQ ID NO 25037

; LENGTH: 145

; TYPE: PRT

; ORGANISM: Candida albicans

US-09-248-796A-25037

Query Match 31.2%; Score 5; DB 2; Length 145;

Best Local Similarity 100.0%; Pred. No. 4.3e+02;

Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 11 PDLEL 15

Db 63 PDLEL 67

RESULT 99

US-09-833-328-4

; Sequence 4, Application US/09833328

; Patent No. 6926894

GENERAL INFORMATION:

; APPLICANT: Laemmle, Bernhard

; APPLICANT: Schwarz, Hans-Peter

; APPLICANT: Scheiflinger, Friedrich

; APPLICANT: Antoine, Gerhard

; APPLICANT: Kerschbaumer, Randolph

; APPLICANT: Tagliavacca, Luigina

; APPLICANT: Zimmermann, Klaus

; APPLICANT: Furlan, Miha

; APPLICANT: Turecek, Peter

; APPLICANT: Gerritsen, Helena E.

; TITLE OF INVENTION: Composition Exhibiting a von Willebrand Factor (vWF) Protease Act
; FILE OF INVENTION: Comprising a Polypeptide Chain with the Amino Acid Sequence AAGG

; FILE REFERENCE: 247.00CIP

; CURRENT APPLICATION NUMBER: US/09/833,328

; CURRENT FILING DATE: 2001-04-12

; PRIOR APPLICATION NUMBER: 09/721,254

; PRIOR FILING DATE: 2000-11-22

; NUMBER OF SEQ ID NOS: 15

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 4

; LENGTH: 148

; TYPE: PRT

; ORGANISM: human

US-09-833-328-4

Query Match 31.2%; Score 5; DB 2; Length 148;

Best Local Similarity 100.0%; Pred. No. 4.4e+02;

Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 DLELP 16

Db 108 DLELP 112

RESULT 100

US-09-833-328-6

; Sequence 6, Application US/09833328

; Patent No. 6926894

GENERAL INFORMATION:

; APPLICANT: Laemmle, Bernhard

; APPLICANT: Schwarz, Hans-Peter

; APPLICANT: Scheiflinger, Friedrich

; APPLICANT: Antoine, Gerhard

; APPLICANT: Kerschbaumer, Randolph

; APPLICANT: Tagliavacca, Luigina

; APPLICANT: Zimmermann, Klaus

; APPLICANT: Furlan, Miha

; APPLICANT: Turecek, Peter

; APPLICANT: Gerritsen, Helena E.

; TITLE OF INVENTION: Composition Exhibiting a von Willebrand Factor (vWF) Protease Act

; FILE OF INVENTION: Comprising a Polypeptide Chain with the Amino Acid Sequence AAGG

; Patent No. 6926894

; FILE REFERENCE: 247.00CIP

; CURRENT APPLICATION NUMBER: US/09/833,328

; CURRENT FILING DATE: 2001-04-12

; PRIOR APPLICATION NUMBER: 09/721,254

; PRIOR FILING DATE: 2000-11-22

; NUMBER OF SEQ ID NOS: 15

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 6

; LENGTH: 150

; TYPE: PRT

; ORGANISM: human

US-09-833-328-6

Query Match 31.2%; Score 5; DB 2; Length 150;

Best Local Similarity 100.0%; Pred. No. 4.5e+02;

Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 DLELP 16

Db 110 DLELP 114

Search completed: February 15, 2006, 09:34:28

Job time : 8.11556 secs

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